LUMBER

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9½	74	21⅓	65	49	210	89	218	150	116	408	122
9⅔	34	21⅔	57	50	84	89¼	123	152	111	432	122
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10⅓	30	22 1-6	75	52	97	91	220	166⅔	116	480	122

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(THE POCKET SIZE)

BAUGHMAN'S COST TABLES
(FOR FIGURING COST)

THE

TWELFTH EDITION

OF

BAUGHMAN'S BUYER AND SELLER

1912

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Indianapolis, Indiana.

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INTRODUCTION.

The publisher invites attention to this **The Twelfth Edition of Baughman's Buyer and Seller,** with the confident assurance that it will answer the many wants of the trade and meet with the unvarying public approval with which the eleven previous editions have been favored, and it is confidently believed that the work will commend itself on account of its accuracy.

Since the appearance of the last edition "The Buyer and Seller, the Handy Book for Lumbermen," has been thoroughly revised and many important additions and other alterations have been made this necessitated considerable change in the places of the former matter, and it was deemed best to turn this necessity to advantage, and to make a thorough re-arrangement, putting all of the articles as far as possible in a rational order the addition of new matter, (the addition of nearly 5,000 sizes and lengths of lumber), the addition of the sizes that each table will give answer for. (Printed in red at margin of each table) the new index in front of book. Arranging the work in different sections, etc., tables which are absolutely reliable, possess an intrinsic value that is not to be measured by money alone. If there is any point in which the publisher may hope to meet the approbation of users of the Buyer and Seller, it is in the accuracy of the tables. In preparation for its twelfth edition Baughman's Buyer and Seller, the first edition of which appeared twenty-five years ago, has undergone a far more extensive revision than at any other time.

Among the new matter in this editon will be found on pages 5 to 122. Some of the additional sizes that each table will give answers for.

201—Surveying (or measuring without the board rule.)

201—To figure small fractional sizes (Amphia Lumber Key.)

202 to 225—Fractional sizes by 16ths of one inch to 1 to 12 inches wide, 1 inch to 16 feet in length.

226 to 275—Metric system, additional weights and measures, etc. Many other improvements will be noticed.

The lumber tables show nearly 14,000 different sizes and lengths, and the number of feet in any number of pieces can be determind at a glance. The same tables can be used for addition, multiplication and division; also, for computing dollars and cents by use of the decimal point. The table on page 36 will be found useful for reducing feet to inches, or vice versa.

The diagram and rules for cutting rafters; the rules for finding number of shingles, and number of feet of flooring and siding for any size of building; the number of lath and the ingredients for plaster and mortar; the manner of mixing paints; the capacity of cisterns; postal rates; perpetual calendar; lumber inspection, log scales, discounts, weights and measures, odd sizes, odd lengths, handy things to know, are all of practical utility. See page 4 for manner of arranging the tables, pages 2 and 4 for explanation of lumber tables.

Explanation of Lumber Tables.

The sizes in red on margin opposite tables showing some of the sizes each table will answer for (other sizes may be found on pages 125 to 200) is a new feature and we believe will be appreciated by all who have odd sizes and lengths to figure.

The red lines between column 4 and 6, inclosing column 5, is a feature which will be appreciated by all, being a rest for the eye when in constant use, and for finding numbers desired quickly. All numbers less than 5 being to the left of red line; all over 5 being to right of red line.

To find the number of pieces: 73 pieces, run down left hand margin to 70, see page 4, then three columns to right for three pieces, 396 pieces, left hand margin to 390, then six columns to right for 396 pieces. If even number in tens are wanted take right hand margin.

To find number of feet in 263 pieces of 1x3=12 feet long, turn to page 10, (see index), run down the figures on left hand margin to 260; then three columns to the right for the three pieces, and you will find 789, the number in 263 pieces. For 478 pieces, run down left hand margin to 470, and then to the right eight columns, and you find 1434 feet, the true answer. For 325 pieces 2x8=12 feet long, turn to page 63 (see index), run down column of figures on left hand margin to 320, then to the right five columns and you find 5200 feet.

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔.

For example: To find number of feet in 720 pieces 2x8=12 feet, first find number of feet in 72 pieces, as shown above (see page 63), which is 1,152 feet; annex one cipher, making 11,520 feet, the number of feet in 720 pieces. To find number of feet in 610 pieces of 1x8=20, turn to page 37 and find number of feet in 61 pieces, which is 813⅓; annex 3⅓, dropping the fraction, and you have 8,133⅓ feet, the number in 610 pieces. Annexing the figure is equivalent to multiplying by 10.

The lumber tables will do equally well for dollars and cents, by using decimal point. Thus: 263 yards of goods at 3 cents per yard (page 10) is $7.89; 2,630 yards, $78.90. 610 yards of goods at 13⅓ cents per yard: 61 yards (page 37) amount to $8.13⅓; 610 yards, $81.33⅓; 6,100 yards, $813.33⅓.

The tables will also do to multiply or divide. Thus (page 36): 12x12=144, or 12 into 144, 12 times.

Other explanations will be found through the book.

See page 4 for manner of arranging the tables.

See pages 124, 139 to compute without fractions.

See pages 160 to 200 for fractional sizes.
See pages 202 to 225 for moulding, box work, etc.
See pages 226 to 275 for handy things to know.
See pages 279 to 300 for multiplication tables, etc.

Explanations Continued.

In this edition are tables starting at 1x1=6 feet and running up to 1x24=30 feet; also tables for 1¼, 1½, 1¾ and 7x9 and 7x10 switch tie tables and tables for 1⅛ to 12 inches in width by 16ths. To all sizes and lengths have been added over 4,000 new sizes, the whole work being revised and new indexes added. A few examples: To find number of feet in 50 pieces 7x9=15 see page 123, 5 pieces (the lower multiple of 50) gives 393¾ feet. For 50 pieces drop fraction ¾ and add 7½, 3937½, and you have the correct number of feet in 50 pieces 7x9=15. Now should you wish to find for 500 pieces, drop the fraction ½ and add 5 and you have 39,375, the number of feet in 500 pieces 7x9=15. Remember that while these tables are set for but 1 to 10, they will give the correct answer for any number of pieces by simply taking lower multiple of the number of pieces you wish to find for and then adding the number given in explanation below.

To find number of feet in greater number of pieces than shown in any table:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅛, drop the fraction and annex 1⅜; for ⅝, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

For example: To find the number of feet in 470 pieces 1x1=10 feet, first find the number of feet in 47 pieces as shown above (see page 5) which is 39⅛ feet, annex 1⅜, dropping fraction ⅛ and you have 391⅜ feet, the number of feet in 470 pieces. To find the number of feet in 673 pieces 1x15 or 2x7½=14, turn to page 61. First find the number of feet in 67 pieces, which is 1172½, annex 5, dropping the fraction ½ and you have 11725 feet, the number of feet in 670 pieces. For 3 pieces add

52½ feet,

11,777½ feet, the number of feet in 673 pieces.

All lumber tables will answer equally as well for dollars and cents by using decimal point, see explanation pages 2 and 3. To find all sizes quickly if 1x8, open book where index for 2x4; for 1x12, where index for 2x6, etc., etc. See page 4 for manner of arranging the tables. Other explanations will be found throughout the book.

See page 98 and pages 125 to 200 for odd sizes and odd lengths.

See pages 98, 125 and 159 for further explanations.

See pages 226 to 275 for handy things to know.

See pages 279 to 300 for multiplication tables, etc.

Table Showing Manner of Arranging the Tables.

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	1	2	3	4	5	6	7	8	9	10	**10**
10	11	12	13	14	15	16	17	18	19	20	**20**
20	21	22	23	24	25	26	27	28	29	30	**30**
30	31	32	33	34	35	36	37	38	39	40	**40**
40	41	42	43	44	45	46	47	48	49	50	**50**
50	51	52	53	54	55	56	57	58	59	60	**60**
60	61	62	63	64	65	66	67	68	69	70	**70**
70	71	72	73	74	75	76	77	78	79	80	**80**
80	81	82	83	84	85	86	87	88	89	90	**90**
90	91	92	93	94	95	96	97	98	99	100	**100**
100	101	102	103	104	105	106	107	108	109	110	**110**
110	111	112	113	114	115	116	117	118	119	120	**120**
120	121	122	123	124	125	126	127	128	129	130	**130**
130	131	132	133	134	135	136	137	138	139	140	**140**
140	141	142	143	144	145	146	147	148	149	150	**150**
150	151	152	153	154	155	156	157	158	159	160	**160**
160	161	162	163	164	165	166	167	168	169	170	**170**
170	171	172	173	174	175	176	177	178	179	180	**180**
180	181	182	183	184	185	186	187	188	189	190	**190**
190	191	192	193	194	195	196	197	198	199	200	**200**
200	201	202	203	204	205	206	207	208	209	210	**210**
210	211	212	213	214	215	216	217	218	219	220	**220**
220	221	222	223	224	225	226	227	228	229	230	**230**
230	231	232	233	234	235	236	237	238	239	240	**240**
240	241	242	243	244	245	246	247	248	249	250	**250**
250	251	252	253	254	255	256	257	258	259	260	**260**
260	261	262	263	264	265	266	267	268	269	270	**270**
270	271	272	273	274	275	276	277	278	279	280	**280**
280	281	282	283	284	285	286	287	288	289	290	**290**
290	291	292	293	294	295	296	297	298	299	300	**300**
300	301	302	303	304	305	306	307	308	309	310	**310**
310	311	312	313	314	315	316	317	318	319	320	**320**
320	321	322	323	324	325	326	327	328	329	330	**330**
330	331	332	333	334	335	336	337	338	339	340	**340**
340	341	342	343	344	345	346	347	348	349	350	**350**
350	351	352	353	354	355	356	357	358	359	360	**360**
360	361	362	363	364	365	366	367	368	369	370	**370**
370	371	372	373	374	375	376	377	378	379	380	**380**
380	381	382	383	384	385	386	387	388	389	390	**390**
390	391	392	393	394	395	396	397	398	399	400	**400**
400	401	402	403	404	405	406	407	408	409	410	**410**
410	411	412	413	414	415	416	417	418	419	420	**420**
420	421	422	423	424	425	426	427	428	429	430	**430**
430	431	432	433	434	435	436	437	438	439	440	**440**
440	441	442	443	444	445	446	447	448	449	450	**450**
450	451	452	453	454	455	456	457	458	459	460	**460**
460	461	462	463	464	465	466	467	468	469	470	**470**
470	471	472	473	474	475	476	477	478	479	480	**480**
480	481	482	483	484	485	486	487	488	489	490	**490**
490	491	492	493	494	495	496	497	498	499	500	**500**

To find number of pieces wanted: If for 376 pieces run down left hand margin to 370, then six columns to right, or under six in top margin, and you find 376, number of pieces wanted. See pages 2 and 3 for further explanation.

Size Lth

⅛x48 - 1
¼x24 - 1
¾x 8 - 1
½x12 - 1
1 x 6 - 1
1½x 4 - 1
2 x 3 - 1
½x 6 - 2
¼x12 - 2
1 x 3 - 2
1½x 2 - 2
½x 4 - 3
¼x 8 - 3
1 x 2 - 3
½x 2 - 6
¼x 4 - 6
1 x 1 - 6

1 × 1 = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	½	1	1½	2	2½	3	3½	4	4½	5	**10**
10	5½	6	6½	7	7½	8	8½	9	9½	10	**20**
20	10½	11	11½	12	12½	13	13½	14	14½	15	**30**
30	15½	16	16½	17	17½	18	18½	19	19½	20	**40**
40	20½	21	21½	22	22½	23	23½	24	24½	25	**50**
50	25½	26	26½	27	27½	28	28½	29	29½	30	**60**
60	30½	31	31½	32	32½	33	33½	34	34½	35	**70**
70	35½	36	36½	37	37½	38	38½	39	39½	40	**80**
80	40½	41	41½	42	42½	43	43½	44	44½	45	**90**
90	45½	46	46½	47	47½	48	48½	49	49½	50	**100**

⅛x64 - 1
¼x32 - 1
½x16 - 1
1 x 8 - 1
2 x 4 - 1
⅛x32 - 2
¼x16 - 2
½x 8 - 2
1 x 4 - 2
2 x 2 - 2
⅛x 8 - 8
¼x 4 - 8
½x 2 - 8
1 x 1 - 8

1 × 1 = 8

	⅜	1⅛	2	2⅜	3⅓	4	4⅜	5⅓	6	6⅜	**10**
10	7⅓	8	8⅜	9⅓	10	10⅜	11⅓	12	12⅜	13⅓	**20**
20	14	14⅜	15⅓	16	16⅜	17⅓	18	18⅜	19⅓	20	**30**
30	20⅜	21⅓	22	22⅜	23⅓	24	24⅜	25⅓	26	26⅜	**40**
40	27⅓	28	28⅜	29⅓	30	30⅜	31⅓	32	32⅜	33⅓	**50**
50	34	34⅜	35⅓	36	36⅜	37⅓	38	38⅜	39⅓	40	**60**
60	40⅜	41⅓	42	42⅜	43⅓	44	44⅜	45⅓	46	46⅜	**70**
70	47⅓	48	48⅜	49⅓	50	50⅜	51⅓	52	52⅜	53⅓	**80**
80	54	54⅜	55⅓	56	56⅜	57⅓	58	58⅜	59⅓	60	**90**
90	60⅜	61⅓	62	62⅜	63⅓	64	64⅜	65⅓	66	66⅜	**100**

¼x40 - 1
½x20 - 1
1 x10 - 1
1¼x 8 - 1
2 x 5 - 1
2½x 4 - 1
¼x20 - 2
½x10 - 2
1 x 5 - 2
1¼x 4 - 2
2 x 2½- 2
1 x 2½- 4
1¼x 2 - 4
½x 4 - 5
1 x 2 - 5
1 x 1¼- 8
¼x 4 -10
½x 2 -10

1 × 1 = 10

	⅝	1⅜	2½	3⅛	4⅛	5	5⅝	6⅜	7½	8⅛	**10**
10	9⅛	10	10⅜	11⅜	12½	13⅛	14⅛	15	15⅜	16⅜	**20**
20	17½	18⅛	19⅛	20	20⅝	21⅜	22½	23⅓	24⅛	25	**30**
30	25⅜	26⅜	27½	28⅛	29⅛	30	30⅜	31⅜	32½	33⅛	**40**
40	34⅛	35	35⅜	36⅜	37½	38⅛	39⅛	40	40⅜	41⅜	**50**
50	42½	43⅛	44⅛	45	45⅜	46⅜	47½	48⅛	49⅛	50	**60**
60	50⅜	51⅜	52½	53⅛	54⅛	55	55⅜	56⅜	57½	58⅛	**70**
70	59⅛	60	60⅜	61⅜	62½	63⅛	64⅛	65	65⅜	66⅜	**80**
80	67½	68⅛	69⅛	70	70⅜	71⅜	72½	73⅛	74⅛	75	**90**
90	75⅜	76⅜	77½	78⅛	79⅛	80	80⅜	81⅜	82½	83⅛	**100**

¼x48 - 1
½x24 - 1
1 x12 - 1
1½x 8 - 1
2 x 6 - 1
3 x 4 - 1
½x12 - 2
1 x 6 - 2
1½x 4 - 2
2 x 3 - 2
½x 8 - 3
1 x 4 - 3
2 x 2 - 3
½x 6 - 4
1 x 3 - 4
1½x 2 - 4
½x 4 - 6
1 x 2 - 6
1 x 1½- 8
¼x 4 -12
½x 2 -12
1 x 1 -12

1 × 1 = 12

	1	2	3	4	5	6	7	8	9	10	**10**
10	11	12	13	14	15	16	17	18	19	20	**20**
20	21	22	23	24	25	26	27	28	29	30	**30**
30	31	32	33	34	35	36	37	38	39	40	**40**
40	41	42	43	44	45	46	47	48	49	50	**50**
50	51	52	53	54	55	56	57	58	59	60	**60**
60	61	62	63	64	65	66	67	68	69	70	**70**
70	71	72	73	74	75	76	77	78	79	80	**80**
80	81	82	83	84	85	86	87	88	89	90	**90**
90	91	92	93	94	95	96	97	98	99	100	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6 annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for

1 × 1 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	1⅙	2⅓	3½	4⅔	5⅚	7	8⅙	9⅓	10½	11⅔	10
10	12⅚	14	15⅙	16⅓	17½	18⅔	19⅚	21	22⅙	23⅓	20
20	24½	25⅔	26⅚	28	29⅙	30⅓	31½	32⅔	33⅚	35	30
30	36⅙	37⅓	38½	39⅔	40⅚	42	43⅙	44⅓	45½	46⅔	40
40	47⅚	49	50⅙	51⅓	52½	53⅔	54⅚	56	57⅙	58⅓	50
50	59½	60⅔	61⅚	63	64⅙	65⅓	66½	67⅔	68⅚	70	60
60	71⅙	72⅓	73½	74⅔	75⅚	77	78⅙	79⅓	80½	81⅔	70
70	82⅚	84	85⅙	86⅓	87½	88⅔	89⅚	91	92⅙	93⅓	80
80	94½	95⅔	96⅚	98	99⅙	100⅓	101½	102⅔	103⅚	105	90
90	106⅙	107⅓	108½	109⅔	110⅚	112	113⅙	114⅓	115½	116⅔	100

Size	Lth
¼x56	- 1
½x28	- 1
1 x14	- 1
1¾x 8	- 1
2 x 7	- 1
3½x 4	- 1
⅛x56	- 2
¼x28	- 2
½x14	- 2
1 x 7	- 2
1¾x 4	- 2
2 x 3½	- 2
1 x 3½	- 4
1¾x 2	- 4
¼x 8	- 7
½x 4	- 7
1 x 2	- 7
1 x 1¾	- 8
⅛x 8	-14
¼x 4	-14
½x 2	-14
1 x 1	-14

1 × 1 = 16

	1⅓	2⅔	4	5⅓	6⅔	8	9⅓	10⅔	12	13⅓	10
10	14⅔	16	17⅓	18⅔	20	21⅓	22⅔	24	25⅓	26⅔	20
20	28	29⅓	30⅔	32	33⅓	34⅔	36	37⅓	38⅔	40	30
30	41⅓	42⅔	44	45⅓	46⅔	48	49⅓	50⅔	52	53⅓	40
40	54⅔	56	57⅓	58⅔	60	61⅓	62⅔	64	65⅓	66⅔	50
50	68	69⅓	70⅔	72	73⅓	74⅔	76	77⅓	78⅔	80	60
60	81⅓	82⅔	84	85⅓	86⅔	88	89⅓	90⅔	92	93⅓	70
70	94⅔	96	97⅓	98⅔	100	101⅓	102⅔	104	105⅓	106⅔	80
80	108	109⅓	110⅔	112	113⅓	114⅔	116	117⅓	118⅔	120	90
90	121⅓	122⅔	124	125⅓	126⅔	128	129⅓	130⅔	132	133⅓	100

¼x64	- 1
½x32	- 1
1 x16	- 1
2 x 8	- 1
4 x 4	- 1
¼x32	- 2
½x16	- 2
1 x 8	- 2
2 x 4	- 2
½x 8	- 4
1 x 4	- 4
2 x 2	- 4
¼x 8	- 8
½x 4	- 8
1 x 2	- 8
⅛x 8	-16
¼x 4	-16
½x 2	-16

1 × 1 = 18

	1½	3	4½	6	7½	9	10½	12	13½	15	10
10	16½	18	19½	21	22½	24	25½	27	28½	30	20
20	31½	33	34½	36	37½	39	40½	42	43½	45	30
30	46½	48	49½	51	52½	54	55½	57	58½	60	40
40	61½	63	64½	66	67½	69	70½	72	73½	75	50
50	76½	78	79½	81	82½	84	85½	87	88½	90	60
60	91½	93	94½	96	97½	99	100½	102	103½	105	70
70	106½	108	109½	111	112½	114	115½	117	118½	120	80
80	121½	123	124½	126	127½	129	130½	132	133½	135	90
90	136½	138	139½	141	142½	144	145½	147	148½	150	100

¼x72	- 1
½x36	- 1
1 x18	- 1
1½x12	- 1
2 x 9	- 1
2¼x 8	- 1
3 x 6	- 1
⅛x72	- 2
¼x36	- 2
½x18	- 2
1 x 9	- 2
1½x 6	- 2
2¼x 4	- 2
3 x 3	- 2
¼x24	- 3
½x12	- 3
1 x 6	- 3
¼x 4	-18

1 × 1 = 20

	1⅔	3⅓	5	6⅔	8⅓	10	11⅔	13⅓	15	16⅔	10
10	18⅓	20	21⅔	23⅓	25	26⅔	28⅓	30	31⅔	33⅓	20
20	35	36⅔	38⅓	40	41⅔	43⅓	45	46⅔	48⅓	50	30
30	51⅔	53⅓	55	56⅔	58⅓	60	61⅔	63⅓	65	66⅔	40
40	68⅓	70	71⅔	73⅓	75	76⅔	78⅓	80	81⅔	83⅓	50
50	85	86⅔	88⅓	90	91⅔	93⅓	95	96⅔	98⅓	100	60
60	101⅔	103⅓	105	106⅔	108⅓	110	111⅔	113⅓	115	116⅔	70
70	118⅓	120	121⅔	123⅓	125	126⅔	128⅓	130	131⅔	133⅓	80
80	135	136⅔	138⅓	140	141⅔	143⅓	145	146⅔	148⅓	150	90
90	151⅔	153⅓	155	156⅔	158⅓	160	161⅔	163⅓	165	166⅔	100

½x40	- 1
1 x20	- 1
1¼x16	- 1
2½x 8	- 1
2 x10	- 1
4 x 5	- 1
1 x10	- 2
1¼x 8	- 2
2 x 5	- 2
2½x 4	- 2
1 x 5	- 4
1¼x 4	- 4
2 x 2½	- 4
1 x 4	- 5
2 x 2	- 5
1 x 2½	- 8
1¼x 2	- 8
1 x 2	-10
¼x 4	-20
½x 2	-20
1 x 1	-20

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

1 × 2 = 6

Size	Lth
1 x12	- 1
1½x 8	- 1
2 x 6	- 1
3 x 4	- 1
¼x24	- 2
½x12	- 2
1 x 6	- 2
1½x 4	- 2
2 x 3	- 2
¼x16	- 3
½x 8	- 3
1 x 4	- 3
2 x 2	- 3
¼x12	- 4
½x 6	- 4
1 x 3	- 4
1½x 2	- 4
¼x 8	- 6
½x 4	- 6
1 x 2	- 6
1 x 1½	- 8
¼x 4	-12
½x 2	-12
1 x 1	-12

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	1	2	3	4	5	6	7	8	9	10	**10**
10	11	12	13	14	15	16	17	18	19	20	**20**
20	21	22	23	24	25	26	27	28	29	30	**30**
30	31	32	33	34	35	36	37	38	39	40	**40**
40	41	42	43	44	45	46	47	48	49	50	**50**
50	51	52	53	54	55	56	57	58	59	60	**60**
60	61	62	63	64	65	66	67	68	69	70	**70**
70	71	72	73	74	75	76	77	78	79	80	**80**
80	81	82	83	84	85	86	87	88	89	90	**90**
90	91	92	93	94	95	96	97	98	99	100	**100**

1 × 2 = 8

Size	Lth
¼x64	- 1
½x32	- 1
1 x16	- 1
2 x 8	- 1
4 x 4	- 1
½x16	- 2
1 x 8	- 2
2 x 4	- 2
½x 8	- 4
1 x 4	- 4
2 x 2	- 4
¼x 8	- 8
½x 4	- 8
1 x 2	- 8
⅛x 8	-16
¼x 4	-16
½x 2	-16
1 x 1	-16

	1⅓	2⅔	4	5⅓	6⅔	8	9⅓	10⅔	12	13⅓	**10**
10	14⅔	16	17⅓	18⅔	20	21⅓	22⅔	24	25⅓	26⅔	**20**
20	28	29⅓	30⅔	32	33⅓	34⅔	36	37⅓	38⅔	40	**30**
30	41⅓	42⅔	44	45⅓	46⅔	48	49⅓	50⅔	52	53⅓	**40**
40	54⅔	56	57⅓	58⅔	60	61⅓	62⅔	64	65⅓	66⅔	**50**
50	68	69⅓	70⅔	72	73⅓	74⅔	76	77⅓	78⅔	80	**60**
60	81⅓	82⅔	84	85⅓	86⅔	88	89⅓	90⅔	92	93⅓	**70**
70	94⅔	96	97⅓	98⅔	100	101⅓	102⅔	104	105⅓	106⅔	**80**
80	108	109⅓	110⅔	112	113⅓	114⅔	116	117⅓	118⅔	120	**90**
90	121⅓	122⅔	124	125⅓	126⅔	128	129⅓	130⅔	132	133⅓	**100**

1 × 2 = 10

Size	Lth
1 x20	- 1
1¼x16	- 1
2 x10	- 1
2½x 8	- 1
4 x 5	- 1
1 x10	- 2
1¼x 8	- 2
2 x 5	- 2
2½x 4	- 2
1 x 5	- 4
1¼x 4	- 4
2 x 2½	- 4
1 x 4	- 5
2 x 2	- 5
1 x 2½	- 8
1¼x 2	- 8
1 x 2	-10
1 x 1	-20

	1⅔	3⅓	5	6⅔	8⅓	10	11⅔	13⅓	15	16⅔	**10**
10	18⅓	20	21⅔	23⅓	25	26⅔	28⅓	30	31⅔	33⅓	**20**
20	35	36⅔	38⅓	40	41⅔	43⅓	45	46⅔	48⅓	50	**30**
30	51⅔	53⅓	55	56⅔	58⅓	60	61⅔	63⅓	65	66⅔	**40**
40	68⅓	70	71⅔	73⅓	75	76⅔	78⅓	80	81⅔	83⅓	**50**
50	85	86⅔	88⅓	90	91⅔	93⅓	95	96⅔	98⅓	100	**60**
60	101⅔	103⅓	105	106⅔	108⅓	110	111⅔	113⅓	115	116⅔	**70**
70	118⅓	120	121⅔	123⅓	125	126⅔	128⅓	130	131⅔	133⅓	**80**
80	135	136⅔	138⅓	140	141⅔	143⅓	145	146⅔	148⅓	150	**90**
90	151⅔	153⅓	155	156⅔	158⅓	160	161⅔	163⅓	165	166⅔	**100**

1 × 2 = 12

Size	Lth
1 x24	- 1
1½x16	- 1
2 x12	- 1
3 x 8	- 1
4 x 6	- 1
1 x12	- 2
1½x 8	- 2
2 x 6	- 2
3 x 4	- 2
1 x 8	- 3
2 x 4	- 3
1 x 6	- 4
1½x 4	- 4
2 x 3	- 4
1 x 4	- 6
2 x 2	- 6
1 x 3	- 8
1½x 2	- 8
¼x 8	-12
½x 4	-12
1 x 2	-12
1 x 1½	-16

	2	4	6	8	10	12	14	16	18	20	**10**
10	22	24	26	28	30	32	34	36	38	40	**20**
20	42	44	46	48	50	52	54	56	58	60	**30**
30	62	64	66	68	70	72	74	76	78	80	**40**
40	82	84	86	88	90	92	94	96	98	100	**50**
50	102	104	106	108	110	112	114	116	118	120	**60**
60	122	124	126	128	130	132	134	136	138	140	**70**
70	142	144	146	148	150	152	154	156	158	160	**80**
80	162	164	166	168	170	172	174	176	178	180	**90**
90	182	184	186	188	190	192	194	196	198	200	**100**

For greater number of pieces than shown above see explanations on pages 2, 3 and 4.

1x2
1x3
1x4
1x5
1x6
1x7
2x4
1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 × 2 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	F. et	Feet	
	2⅓	4⅔	7	9⅓	11⅔	14	16⅓	18⅔	21	23⅓	10
10	25⅔	28	30⅓	32⅔	35	37⅓	39⅔	42	44⅓	46⅔	20
20	49	51⅓	53⅔	56	58⅓	60⅔	63	65⅓	67⅔	70	30
30	72⅓	74⅔	77	79⅓	81⅔	84	86⅓	88⅔	91	93⅓	40
40	95⅔	98	100⅓	102⅔	105	107⅓	109⅔	112	114⅓	116⅔	50
50	119	121⅓	123⅔	126	128⅓	130⅔	133	135⅓	137⅔	140	60
60	142⅓	144⅔	147	149⅓	151⅔	154	156⅓	158⅔	161	163⅓	70
70	165⅔	168	170⅓	172⅔	175	177⅓	179⅔	182	184⅓	186⅔	80
80	189	191⅓	193⅔	196	198⅓	200⅔	203	205⅓	207⅔	210	90
90	212⅓	214⅔	217	219⅓	221⅔	224	226⅓	228⅔	231	233⅓	100

Size	Lth
1 x28	1
2 x14	1
1¾x16	1
3½x 8	1
4 x 7	1
1 x14	2
1¾x 8	2
2 x 7	2
3½x 4	2
1 x 7	4
1¾x 4	4
2 x 3½	4
1 x 4	7
2 x 2	7
1 x 3½	8
1¾x 2	8
¼x 8	14
½x 4	14
1 x 2	14
1 x 1¾	16

1 × 2 = 16

	2⅔	5⅓	8	10⅔	13⅓	16	18⅔	21⅓	24	26⅔	10
10	29⅓	32	34⅔	37⅓	40	42⅔	45⅓	48	50⅔	53⅓	20
20	56	58⅔	61⅓	64	66⅔	69⅓	72	74⅔	77⅓	80	30
30	82⅔	85⅓	88	90⅔	93⅓	96	98⅔	101⅓	104	106⅔	40
40	109⅓	112	114⅔	117⅓	120	122⅔	125⅓	128	130⅔	133⅓	50
50	136	138⅔	141⅓	144	146⅔	149⅓	152	154⅔	157⅓	160	60
60	162⅔	165⅓	168	170⅔	173⅓	176	178⅔	181⅓	184	186⅔	70
70	189⅓	192	194⅔	197⅓	200	202⅔	205⅓	208	210⅔	213⅓	80
80	216	218⅔	221⅓	224	226⅔	229⅓	232	234⅔	237⅓	240	90
90	242⅔	245⅓	248	250⅔	253⅓	256	258⅔	261⅓	264	266⅔	100

Size	Lth
1 x32	1
2 x16	1
4 x 8	1
1 x16	2
2 x 8	2
4 x 4	2
½x16	4
1 x 8	4
2 x 4	4
⅛x32	8
¼x16	8
½x 8	8
1 x 4	8
2 x 2	8
⅛x16	16
¼x 8	16
½x 4	16
1 x 2	16

1 × 2 = 18

	3	6	9	12	15	18	21	24	27	30	10
10	33	36	39	42	45	48	51	54	57	60	20
20	63	66	69	72	75	78	81	84	87	90	30
30	93	96	99	102	105	108	111	114	117	120	40
40	123	126	129	132	135	138	141	144	147	150	50
50	153	156	159	162	165	168	171	174	177	180	60
60	183	186	189	192	195	198	201	204	207	210	70
70	213	216	219	222	225	228	231	234	237	240	80
80	243	246	249	252	255	258	261	264	267	270	90
90	273	276	279	282	285	288	291	294	297	300	100

Size	Lth
1 x36	1
2 x18	1
3 x12	1
4 x 9	1
4½x 8	1
6 x 6	1
½x36	2
1 x18	2
1½x12	2
2 x 9	2
2¼x 8	2
3 x 6	2
4 x 4½	2
¼x48	3
½x24	3
1 x12	3
1½x 8	3
3 x 4	3

For Complete Table, See Page 10.

1 × 2 = 20

	3⅓	6⅔	10	13⅓	16⅔	20	23⅓	26⅔	30	33⅓	10
10	36⅔	40	43⅓	46⅔	50	53⅓	56⅔	60	63⅓	66⅔	20
20	70	73⅓	76⅔	80	83⅓	86⅔	90	93⅓	96⅔	100	30
30	103⅓	106⅔	110	113⅓	116⅔	120	123⅓	126⅔	130	133⅓	40
40	136⅔	140	143⅓	146⅔	150	153⅓	156⅔	160	163⅓	166⅔	50
50	170	173⅓	176⅔	180	183⅓	186⅔	190	193⅓	196⅔	200	60
60	203⅓	206⅔	210	213⅓	216⅔	220	223⅓	226⅔	230	233⅓	70
70	236⅔	240	243⅓	246⅔	250	253⅓	256⅔	260	263⅓	266⅔	80
80	270	273⅓	276⅔	280	283⅓	286⅔	290	293⅓	296⅔	300	90
90	303⅓	306⅔	310	313⅓	316⅔	320	323⅓	326⅔	330	333⅓	100

Size	Lth
2 x20	1
2½x16	1
4 x10	1
5 x 8	1
1 x20	2
1¼x16	2
2 x10	2
2½x 8	2
4 x 5	2
1 x10	4
1¼x 8	4
2 x 5	4
2½x 4	4
1 x 8	5
2 x 4	5
1 x 5	8
1¼x 4	8
2 x 2½	8
1 x 4	10
2 x 2	10
1¼x 2	16
1 x 2½	16

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 1/2 x 3/2 = 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	1	2	3	4	5	6	7	8	9	10	**10**
10	11	12	13	14	15	16	17	18	19	20	**20**
20	21	22	23	24	25	26	27	28	29	30	**30**
30	31	32	33	34	35	36	37	38	39	40	**40**
40	41	42	43	44	45	46	47	48	49	50	**50**
50	51	52	53	54	55	56	57	58	59	60	**60**
60	61	62	63	64	65	66	67	68	69	70	**70**
70	71	72	73	74	75	76	77	78	79	80	**80**
80	81	82	83	84	85	86	87	88	89	90	**90**
90	91	92	93	94	95	96	97	98	99	100	**100**

1 1/2 x 3/2 = 6

	1½	3	4½	6	7½	9	10½	12	13½	15	
10	16½	18	19½	21	22½	24	25½	27	28½	30	**20**
20	31½	33	34½	36	37½	39	40½	42	43½	45	**30**
30	46½	48	49½	51	52½	54	55½	57	58½	60	**40**
40	61½	63	64½	66	67½	69	70½	72	73½	75	**50**
50	76½	78	79½	81	82½	84	85½	87	88½	90	**60**
60	91½	93	94½	96	97½	99	100½	102	103½	105	**70**
70	106½	108	109½	111	112½	114	115½	117	118½	120	**80**
80	121½	123	124½	126	127½	129	130½	132	133½	135	**90**
90	136½	138	139½	141	142½	144	145½	147	148½	150	**100**

1 1/2 x 3/2 = 8

	2	4	6	8	10	12	14	16	18	20	
10	22	24	26	28	30	32	34	36	38	40	**20**
20	42	44	46	48	50	52	54	56	58	60	**30**
30	62	64	66	68	70	72	74	76	78	80	**40**
40	82	84	86	88	90	92	94	96	98	100	**50**
50	102	104	106	108	110	112	114	116	118	120	**60**
60	122	124	126	128	130	132	134	136	138	140	**70**
70	142	144	146	148	150	152	154	156	158	160	**80**
80	162	164	166	168	170	172	174	176	178	180	**90**
90	182	184	186	188	190	192	194	196	198	200	**100**

1/2 x 3/2 = 10

	2½	5	7½	10	12½	15	17½	20	22½	25	
10	27½	30	32½	35	37½	40	42½	45	47½	50	**20**
20	52½	55	57½	60	62½	65	67½	70	72½	75	**30**
30	77½	80	82½	85	87½	90	92½	95	97½	100	**40**
40	102½	105	107½	110	112½	115	117½	120	122½	125	**50**
50	127½	130	132½	135	137½	140	142½	145	147½	150	**60**
60	152½	155	157½	160	162½	165	167½	170	172½	175	**70**
70	177½	180	182½	185	187½	190	192½	195	197½	200	**80**
80	202½	205	207½	210	212½	215	217½	220	222½	225	**90**
90	227½	230	232½	235	237½	240	242½	245	247½	250	**100**

For greater number of pieces than shown above, for ½, drop the fraction and ann-x 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

Size Lth

x12 - 1
½x 8 - 1
x 6 - 1
x 4 - 1
½x12 - 2
x 6 - 2
½x 4 - 2
x 3 - 2
½x 8 - 3
x 4 - 3
x 2 - 3
½x 6 - 4
x 3 - 4
½x 2 - 4
½x 4 - 6
x 2 - 6
x 1½ - 8
¼x 4 - 12
½x 2 - 12
x 1 - 12

¼x72 - 1
½x36 - 1
x18 - 1
½x12 - 1
x 9 - 1
¼x 8 - 1
x 6 - 1
½x72 - 2
¼x36 - 2
½x18 - 2
x 9 - 2
½x 6 - 2
¼x 4 - 2
x 3 - 2
¼x24 - 3
½x12 - 3
x 6 - 3
¼x 4 - 18

x24 - 1
½x16 - 1
x12 - 1
x 8 - 1
x 6 - 1
x12 - 2
½x 8 - 2
x 6 - 2
x 4 - 2
x 8 - 3
x 4 - 3
x 6 - 4
½x 4 - 4
x 3 - 4
x 4 - 6
x 2 - 6
x 3 - 8
½x 2 - 8

x30 - 1
¼x24 - 1
½x20 - 1
x15 - 1
½x12 - 1
x10 - 1
⅜x 8 - 1
7½ - 1
x 6 - 1
x15 - 2
¼x12 - 2
½x10 - 2
x 7½ - 2
½x 6 - 2
x 5 - 2
⅜x 4 - 2
x10 - 3
x 5 - 3
½x 4 - 3
x 7½ - 4
¼x 6 - 4
½x 5 - 4
x 3⅜ - 4
½x 3 - 4

1x3
1x4
1x5
1x6
1x7
2x4
1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 × 3 = 12

	1 Piece Feet.	2 Pieces Feet	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet	
	3	6	9	12	15	18	21	24	27	30	**10**
10	33	36	39	42	45	48	51	54	57	60	**20**
20	63	66	69	72	75	78	81	84	87	90	**30**
30	93	96	99	102	105	108	111	114	117	120	**40**
40	123	126	129	132	135	138	141	144	147	150	**50**
50	153	156	159	162	165	168	171	174	177	180	**60**
60	183	186	189	192	195	198	201	204	207	210	**70**
70	213	216	219	222	225	228	231	234	237	240	**80**
80	243	246	249	252	255	258	261	264	267	270	**90**
90	273	276	279	282	285	288	291	294	297	300	**100**
100	303	306	309	312	315	318	321	324	327	330	**110**
110	333	336	339	342	345	348	351	354	357	360	**120**
120	363	366	369	372	375	378	381	384	387	390	**130**
130	393	396	399	402	405	408	411	414	417	420	**140**
140	423	426	429	432	435	438	441	444	447	450	**150**
150	453	456	459	462	465	468	471	474	477	480	**160**
160	483	486	489	492	495	498	501	504	507	510	**170**
170	513	516	519	522	525	528	531	534	537	540	**180**
180	543	546	549	552	555	558	561	564	567	570	**190**
190	573	576	579	582	585	588	591	594	597	600	**200**
200	603	606	609	612	615	618	621	624	627	630	**210**
210	633	636	639	642	645	648	651	654	657	660	**220**
220	663	666	669	672	675	678	681	684	687	690	**230**
230	693	696	699	702	705	708	711	714	717	720	**240**
240	723	726	729	732	735	738	741	744	747	750	**250**
250	753	756	759	762	765	768	771	774	777	780	**260**
260	783	786	789	792	795	798	801	804	807	810	**270**
270	813	816	819	822	825	828	831	834	837	840	**280**
280	843	846	849	852	855	858	861	864	867	870	**290**
290	873	876	879	882	885	888	891	894	897	900	**300**
300	903	906	909	912	915	918	921	924	927	930	**310**
310	933	936	939	942	945	948	951	954	957	960	**320**
320	963	966	969	972	975	978	981	984	987	990	**330**
330	993	996	999	1002	1005	1008	1011	1014	1017	1020	**340**
340	1023	1026	1029	1032	1035	1038	1041	1044	1047	1050	**350**
350	1053	1056	1059	1062	1065	1068	1071	1074	1077	1080	**360**
360	1083	1086	1089	1092	1095	1098	1101	1104	1107	1110	**370**
370	1113	1116	1119	1122	1125	1128	1131	1134	1137	1140	**380**
380	1143	1146	1149	1152	1155	1158	1161	1164	1167	1170	**390**
390	1173	1176	1179	1182	1185	1188	1191	1194	1197	1200	**400**
400	1203	1206	1209	1212	1215	1218	1221	1224	1227	1230	**410**
410	1233	1236	1239	1242	1245	1248	1251	1254	1257	1260	**420**
420	1263	1266	1269	1272	1275	1278	1281	1284	1287	1290	**430**
430	1293	1296	1299	1302	1305	1308	1311	1314	1317	1320	**440**
440	1323	1326	1329	1332	1335	1338	1341	1344	1347	1350	**450**
450	1353	1356	1359	1362	1365	1368	1371	1374	1377	1380	**460**
460	1383	1386	1389	1392	1395	1398	1401	1404	1407	1410	**470**
470	1413	1416	1419	1422	1425	1428	1431	1434	1437	1440	**480**
480	1443	1446	1449	1452	1455	1458	1461	1464	1467	1470	**490**
490	1473	1476	1479	1482	1485	1488	1491	1494	1497	1500	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
½x72	1
1 x36	1
2 x18	1
3 x12	1
4 x 9	1
4½x 8	1
6 x 6	1
½x36	2
1 x18	2
1½x12	2
2 x 9	2
2¼x 8	2
3 x 6	2
4 x 4½	2
¼x48	3
½x24	3
1 x12	3
1½x 8	3
3 x 4	3
¼x36	4
½x18	4
1 x 9	4
1½x 6	4
2 x 4½	4
2¼x 4	4
⅛x48	6
¼x24	6
½x12	6
1 x 6	6
1½x 4	6
2 x 3	6
1 x 4½	8
1½x 3	8
⅛x32	9
¼x16	9
½x 8	9
1 x 4	9
2 x 2	9
⅛x24	12
¼x12	12
½x 6	12
1 x 3	12
1½x 2	12
1 x 2¼	16
1½x 1½	16
⅛x16	18
¼x 8	18
½x 4	18
1 x 2	18

Size	Lth
½x84	1
1 x42	1
3 x14	1
3½x12	1
4 x10½	1
5¼x 8	1
6 x 7	1
¼x84	2
½x42	2
1 x21	2
1½x14	2
1¾x12	2
2 x10½	2
3 x 7	2
3½x 6	2
4 x 5¼	2
¼x56	3
½x28	3
1 x14	3
1¾x 8	3
2 x 7	3
3½x 4	3
1 x10½	4
1½x 7	4
1¾x 6	4
2 x 5¼	4
3 x 3½	4
¼x28	6
½x14	6
1 x 7	6
1¾x 4	6
2 x 3½	6
¼x24	7
½x12	7
1 x 6	7
1½x 4	7
2 x 3	7
1 x 5¼	8
1½x 3½	8
1¾x 3	8
1 x 3½	12
1¾x 2	12
¼x12	14
½x 6	14
1 x 3	14
1½x 2	14
1½x 1¾	16

1 × 3 = 14

	1 Piece Feet	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	3½	7	10½	14	17½	21	24½	28	31½	35	**10**
10	38½	42	45½	49	52½	56	59½	63	66½	70	**20**
20	73½	77	80½	84	87½	91	94½	98	101½	105	**30**
30	108½	112	115½	119	122½	126	129½	133	136½	140	**40**
40	143½	147	150½	154	157½	161	164½	168	171½	175	**50**
50	178½	182	185½	189	192½	196	199½	203	206½	210	**60**
60	213½	217	220½	224	227½	231	234½	238	241½	245	**70**
70	248½	252	255½	259	262½	266	269½	273	276½	280	**80**
80	283½	287	290½	294	297½	301	304½	308	311½	315	**90**
90	318½	322	325½	329	332½	336	339½	343	346½	350	**100**
100	353½	357	360½	364	367½	371	374½	378	381½	385	**110**
110	388½	392	395½	399	402½	406	409½	413	416½	420	**120**
120	423½	427	430½	434	437½	441	444½	448	451½	455	**130**
130	458½	462	465½	469	472½	476	479½	483	486½	490	**140**
140	493½	497	500½	504	507½	511	514½	518	521½	525	**150**
150	528½	532	535½	539	542½	546	549½	553	556½	560	**160**
160	563½	567	570½	574	577½	581	584½	588	591½	595	**170**
170	598½	602	605½	609	612½	616	619½	623	626½	630	**180**
180	633½	637	640½	644	647½	651	654½	658	661½	665	**190**
190	668½	672	675½	679	682½	686	689½	693	696½	700	**200**
200	703½	707	710½	714	717½	721	724½	728	731½	735	**210**
210	738½	742	745½	749	752½	756	759½	763	766½	770	**220**
220	773½	777	780½	784	787½	791	794½	798	801½	805	**230**
230	808½	812	815½	819	822½	826	829½	833	836½	840	**240**
240	843½	847	850½	854	857½	861	864½	868	871½	875	**250**
250	878½	882	885½	889	892½	896	899½	903	906½	910	**260**
260	913½	917	920½	924	927½	931	934½	938	941½	945	**270**
270	948½	952	955½	959	962½	966	969½	973	976½	980	**280**
280	983½	987	990½	994	997½	1001	1004½	1008	1011½	1015	**290**
290	1018½	1022	1025½	1029	1032½	1036	1039½	1043	1046½	1050	**300**
300	1053½	1057	1060½	1064	1067½	1071	1074½	1078	1081½	1085	**310**
310	1088½	1092	1095½	1099	1102½	1106	1109½	1113	1116½	1120	**320**
320	1123½	1127	1130½	1134	1137½	1141	1144½	1148	1151½	1155	**330**
330	1158½	1162	1165½	1169	1172½	1176	1179½	1183	1186½	1190	**340**
340	1193½	1197	1200½	1204	1207½	1211	1214½	1218	1221½	1225	**350**
350	1228½	1232	1235½	1239	1242½	1246	1249½	1253	1256½	1260	**360**
360	1263½	1267	1270½	1274	1277½	1281	1284½	1288	1291½	1295	**370**
370	1298½	1302	1305½	1309	1312½	1316	1319½	1323	1326½	1330	**380**
380	1333½	1337	1340½	1344	1347½	1351	1354½	1358	1361½	1365	**390**
390	1368½	1372	1375½	1379	1382½	1386	1389½	1393	1396½	1400	**400**
400	1403½	1407	1410½	1414	1417½	1421	1424½	1428	1431½	1435	**410**
410	1438½	1442	1445½	1449	1452½	1456	1459½	1463	1466½	1470	**420**
420	1473½	1477	1480½	1484	1487½	1491	1494½	1498	1501½	1505	**430**
430	1508½	1512	1515½	1519	1522½	1526	1529½	1533	1536½	1540	**440**
440	1543½	1547	1550½	1554	1557½	1561	1564½	1568	1571½	1575	**450**
450	1578½	1582	1585½	1589	1592½	1596	1599½	1603	1606½	1610	**460**
460	1613½	1617	1620½	1624	1627½	1631	1634½	1638	1641½	1645	**470**
470	1648½	1652	1655½	1659	1662½	1666	1669½	1673	1676½	1680	**480**
480	1683½	1687	1690½	1694	1697½	1701	1704½	1708	1711½	1715	**490**
490	1718½	1722	1725½	1729	1732½	1736	1739½	1743	1746½	1750	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 × 3 = 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	4	8	12	16	20	24	28	32	36	40	10
10	44	48	52	56	60	64	68	72	76	80	20
10	84	88	92	96	100	104	108	112	116	120	30
20	124	128	132	136	140	144	148	152	156	160	40
30	164	168	172	176	180	184	188	192	196	200	50
40	204	208	212	216	220	224	228	232	236	240	60
50	244	248	252	256	260	264	268	272	276	280	70
60	284	288	292	296	300	304	308	312	316	320	80
70	324	328	332	336	340	344	348	352	356	360	90
80	364	368	372	376	380	384	388	392	396	400	100
90	404	408	412	416	420	424	428	432	436	440	110
100	444	448	452	456	460	464	468	472	476	480	120
110	484	488	492	496	500	504	508	512	516	520	130
120	524	528	532	536	540	544	548	552	556	560	140
130	564	568	572	576	580	584	588	592	596	600	150
140	604	608	612	616	620	624	628	632	636	640	160
150	644	648	652	656	660	664	668	672	676	680	170
160	684	688	692	696	700	704	708	712	716	720	180
170	724	728	732	736	740	744	748	752	756	760	190
180	764	768	772	776	780	784	788	792	796	800	200
190	804	808	812	816	820	824	828	832	836	840	210
200	844	848	852	856	860	864	868	872	876	880	220
210	884	888	892	896	900	904	908	912	916	920	230
220	924	928	932	936	940	944	948	952	956	960	240
230	964	968	972	976	980	984	988	992	996	1000	250
240	1004	1008	1012	1016	1020	1024	1028	1032	1036	1040	260
250	1044	1048	1052	1056	1060	1064	1068	1072	1076	1080	270
260	1084	1088	1092	1096	1100	1104	1108	1112	1116	1120	280
270	1124	1128	1132	1136	1140	1144	1148	1152	1156	1160	290
280	1164	1168	1172	1176	1180	1184	1188	1192	1196	1200	300
290	1204	1208	1212	1216	1220	1224	1228	1232	1236	1240	310
300	1244	1248	1252	1256	1260	1264	1268	1272	1276	1280	320
310	1284	1288	1292	1296	1300	1304	1308	1312	1316	1320	330
320	1324	1328	1332	1336	1340	1344	1348	1352	1356	1360	340
330	1364	1368	1372	1376	1380	1384	1388	1392	1396	1400	350
340	1404	1408	1412	1416	1420	1424	1428	1432	1436	1440	360
350	1444	1448	1452	1456	1460	1464	1468	1472	1476	1480	370
360	1484	1488	1492	1496	1500	1504	1508	1512	1516	1520	380
370	1524	1528	1532	1536	1540	1544	1548	1552	1556	1560	390
380	1564	1568	1572	1576	1580	1584	1588	1592	1596	1600	400
390	1604	1608	1612	1616	1620	1624	1628	1632	1636	1640	410
400	1644	1648	1652	1656	1660	1664	1668	1672	1676	1680	420
410	1684	1688	1692	1696	1700	1704	1708	1712	1716	1720	430
420	1724	1728	1732	1736	1740	1744	1748	1752	1756	1760	440
430	1764	1768	1772	1776	1780	1784	1788	1792	1796	1800	450
440	1804	1808	1812	1816	1820	1824	1828	1832	1836	1840	460
450	1844	1848	1852	1856	1860	1864	1868	1872	1876	1880	470
460	1884	1888	1892	1896	1900	1904	1908	1912	1916	1920	480
470	1924	1928	1932	1936	1940	1944	1948	1952	1956	1960	490
480	1964	1968	1972	1976	1980	1984	1988	1992	1996	2000	500
490											

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size

1½x32
2 x24
3 x16
4 x12
6 x 8
½x48
1 x24
1½x16
2 x12
3 x 8
4 x 6
¼x64
½x32
1 x16
2 x 8
4 x 4
¼x48
½x24
1 x12
1½x 8
2 x 6
3 x 4
⅛x64
¼x32
½x16
1 x 8
2 x 4
⅛x48
¼x24
½x12
1 x 6
1½x 4
2 x 3
⅛x32
¼x16
½x 8
1 x 4
2 x 2
⅛x24
¼x12
½x 6
1 x 3
⅛x16
¼x 8
½x 4
1 x 2

Page

Size Lth

2 x27 - 1
2¼x24 - 1
3 x18 - 1
4 x13½- 1
4½x12 - 1
6¾x 8 - 1
6 x 9 - 1
½x54 - 2
1 x27 - 2
2 x13½- 2
2¼x12 - 2
3 x 9 - 2
4 x 6¾- 2
4½x 6 - 2
¼x72 - 3
½x36 - 3
1 x18 - 3
1½x12 - 3
2 x 9 - 3
2¼x 8 - 3
3 x 6 - 3
4 x 4½- 3
¼x54 - 4
½x27 - 4
1 x13½- 4
1½x 9 - 4
2 x 6¾- 4
2¼x 6 - 4
3 x 4½- 4
⅛x72 - 6
¼x36 - 6
½x18 - 6
x 9 - 6
½x 6 - 6
x 4½- 6
2¼x 4 - 6
x 3 - 6
⅛x54 - 8
¼x27 - 8
½x13½- 8
x 6¾- 8
2¼x 3 - 8
⅛x48 - 9
¼x24 - 9
½x12 - 9
x 6 - 9
½x 4 - 9
x 3 - 9
⅛x36 -12
¼x18 -12
½x 9 -12
x 4½-12
½x 3 -12
x 2¼-12
½x 2¼-16
½x 2 -18
⅛x24 -18
¼x12 -18
½x 6 -18
x 3 -18
½x 2 -18

1 × 3 = 18

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	4½	9	13½	18	22½	27	31½	36	40½	45	**10**
10	49½	54	58½	63	67½	72	76½	81	85½	90	**20**
20	94½	99	103½	108	112½	117	121½	126	130½	135	**30**
30	139½	144	148½	153	157½	162	166½	171	175½	180	**40**
40	184½	189	193½	198	202½	207	211½	216	220½	225	**50**
50	229½	234	238½	243	247½	252	256½	261	265½	270	**60**
60	274½	279	283½	288	292½	297	301½	306	310½	315	**70**
70	319½	324	328½	333	337½	342	346½	351	355½	360	**80**
80	364½	369	373½	378	382½	387	391½	396	400½	405	**90**
90	409½	414	418½	423	427½	432	436½	441	445½	450	**100**
100	454½	459	463½	468	472½	477	481½	486	490½	495	**110**
110	499½	504	508½	513	517½	522	526½	531	535½	540	**120**
120	544½	549	553½	558	562½	567	571½	576	580½	585	**130**
130	589½	594	598½	603	607½	612	616½	621	625½	630	**140**
140	634½	639	643½	648	652½	657	661½	666	670½	675	**150**
150	679½	684	688½	693	697½	702	706½	711	715½	720	**160**
160	724½	729	733½	738	742½	747	751½	756	760½	765	**170**
170	769½	774	778½	783	787½	792	796½	801	805½	810	**180**
180	814½	819	823½	828	832½	837	841½	846	850½	855	**190**
190	859½	864	868½	873	877½	882	886½	891	895½	900	**200**
200	904½	909	913½	918	922½	927	931½	936	940½	945	**210**
210	949½	954	958½	963	967½	972	976½	981	985½	990	**220**
220	994½	999	1003½	1008	1012½	1017	1021½	1026	1030½	1035	**230**
230	1039½	1044	1048½	1053	1057½	1062	1066½	1071	1075½	1080	**240**
240	1084½	1089	1093½	1098	1102½	1107	1111½	1116	1120½	1125	**250**
250	1129½	1134	1138½	1143	1147½	1152	1156½	1161	1165½	1170	**260**
260	1174½	1179	1183½	1188	1192½	1197	1201½	1206	1210½	1215	**270**
270	1219½	1224	1228½	1233	1237½	1242	1246½	1251	1255½	1260	**280**
280	1264½	1269	1273½	1278	1282½	1287	1291½	1296	1300½	1305	**290**
290	1309½	1314	1318½	1323	1327½	1332	1336½	1341	1345½	1350	**300**
300	1354½	1359	1363½	1368	1372½	1377	1381½	1386	1390½	1395	**310**
310	1399½	1404	1408½	1413	1417½	1422	1426½	1431	1435½	1440	**320**
320	1444½	1449	1453½	1458	1462½	1467	1471½	1476	1480½	1485	**330**
330	1489½	1494	1498½	1503	1507½	1512	1516½	1521	1525½	1530	**340**
340	1534½	1539	1543½	1548	1552½	1557	1561½	1566	1570½	1575	**350**
350	1579½	1584	1588½	1593	1597½	1602	1606½	1611	1615½	1620	**360**
360	1624½	1629	1633½	1638	1642½	1647	1651½	1656	1660½	1665	**370**
370	1669½	1674	1678½	1683	1687½	1692	1696½	1701	1705½	1710	**380**
380	1714½	1719	1723½	1728	1732½	1737	1741½	1746	1750½	1755	**390**
390	1759½	1764	1768½	1773	1777½	1782	1786½	1791	1795½	1800	**400**
400	1804½	1809	1813½	1818	1822½	1827	1831½	1836	1840½	1845	**410**
410	1849½	1854	1858½	1863	1867½	1872	1876½	1881	1885½	1890	**420**
420	1894½	1899	1903½	1908	1912½	1917	1921½	1926	1930½	1935	**430**
430	1939½	1944	1948½	1953	1957½	1962	1966½	1971	1975½	1980	**440**
440	1984½	1989	1993½	1998	2002½	2007	2011½	2016	2020½	2025	**450**
450	2029½	2034	2038½	2043	2047½	2052	2056½	2061	2065½	2070	**460**
460	2074½	2079	2083½	2088	2092½	2097	2101½	2106	2110½	2115	**470**
470	2119½	2124	2128½	2133	2137½	2142	2146½	2151	2155½	2160	**480**
480	2164½	2169	2173½	2178	2182½	2187	2191½	2196	2200½	2205	**490**
490	2209½	2214	2218½	2223	2227½	2232	2236½	2241	2245½	2250	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x4 1x5 1x6 1x7 2x4 1x9 1x10 1x11 2x6 1x13 1x14 2x8 1x17 1x18 1x19 2x10 1x21 1x22 1x23 2x12 2x14 2½x14 3x10 Shingles. 3x12 6x6

1 × 3 = 20

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	
	5	10	15	20	25	30	35	40	45	50	**10**
10	55	60	65	70	75	80	85	90	95	100	**20**
20	105	110	115	120	125	130	135	140	145	150	**30**
30	155	160	165	170	175	180	185	190	195	200	**40**
40	205	210	215	220	225	230	235	240	245	250	**50**
50	255	260	265	270	275	280	285	290	295	300	**60**
60	305	310	315	320	325	330	335	340	345	350	**70**
70	355	360	365	370	375	380	385	390	395	400	**80**
80	405	410	415	420	425	430	435	440	445	450	**90**
90	455	460	465	470	475	480	485	490	495	500	**100**
100	505	510	515	520	525	530	535	540	545	550	**110**
110	555	560	565	570	575	580	585	590	595	600	**120**
120	605	610	615	620	625	630	635	640	645	650	**130**
130	655	660	665	670	675	680	685	690	695	700	**140**
140	705	710	715	720	725	730	735	740	745	750	**150**
150	755	760	765	770	775	780	785	790	795	800	**160**
160	805	810	815	820	825	830	835	840	845	850	**170**
170	855	860	865	870	875	880	885	890	895	900	**180**
180	905	910	915	920	925	930	935	940	945	950	**190**
190	955	960	965	970	975	980	985	990	995	1000	**200**
200	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	**210**
210	1055	1060	1065	1070	1075	1080	1085	1090	1095	1100	**220**
220	1105	1110	1115	1120	1125	1130	1135	1140	1145	1150	**230**
230	1155	1160	1165	1170	1175	1180	1185	1190	1195	1200	**240**
240	1205	1210	1215	1220	1225	1230	1235	1240	1245	1250	**250**
250	1255	1260	1265	1270	1275	1280	1285	1290	1295	1300	**260**
260	1305	1310	1315	1320	1325	1330	1335	1340	1345	1350	**270**
270	1355	1360	1365	1370	1375	1380	1385	1390	1395	1400	**280**
280	1405	1410	1415	1420	1425	1430	1435	1440	1445	1450	**290**
290	1455	1460	1465	1470	1475	1480	1485	1490	1495	1500	**300**
300	1505	1510	1515	1520	1525	1530	1535	1540	1545	1550	**310**
310	1555	1560	1565	1570	1575	1580	1585	1590	1595	1600	**320**
320	1605	1610	1615	1620	1625	1630	1635	1640	1645	1650	**330**
330	1655	1660	1665	1670	1675	1680	1685	1690	1695	1700	**340**
340	1705	1710	1715	1720	1725	1730	1735	1740	1745	1750	**350**
350	1755	1760	1765	1770	1775	1780	1785	1790	1795	1800	**360**
360	1805	1810	1815	1820	1825	1830	1835	1840	1845	1850	**370**
370	1855	1860	1865	1870	1875	1880	1885	1890	1895	1900	**380**
380	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	**390**
390	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	**400**
400	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	**410**
410	2055	2060	2065	2070	2075	2080	2085	2090	2095	2100	**420**
420	2105	2110	2115	2120	2125	2130	2135	2140	2145	2150	**430**
430	2155	2160	2165	2170	2175	2180	2185	2190	2195	2200	**440**
440	2205	2210	2215	2220	2225	2230	2235	2240	2245	2250	**450**
450	2255	2260	2265	2270	2275	2280	2285	2290	2295	2300	**460**
460	2305	2310	2315	2320	2325	2330	2335	2340	2345	2350	**470**
470	2355	2360	2365	2370	2375	2380	2385	2390	2395	2400	**480**
480	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	**490**
490	2455	2460	2465	2470	2475	2480	2485	2490	2495	2500	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
2 x30	- 1
2½x24	- 1
3 x20	- 1
3¾x16	- 1
4 x15	- 1
5 x12	- 1
6 x10	- 1
7½x 8	- 1
½x60	- 2
1¼x24	- 2
1½x20	- 2
2 x15	- 2
2½x12	- 2
3 x10	- 2
3¾x 8	- 2
4 x 7½	- 2
5 x 6	- 2
¼x80	- 3
½x40	- 3
1 x20	- 3
2 x10	- 3
2½x 8	- 3
4 x 5	- 3
¼x60	- 4
½x30	- 4
1 x15	- 4
1¼x12	- 4
1½x10	- 4
2 x 7½	- 4
2½x 6	- 4
3 x 5	- 4
3¾x 4	- 4
⅛x96	- 5
¼x48	- 5
½x24	- 5
1 x12	- 5
1½x 8	- 5
2 x 6	- 5
3 x 4	- 5
⅛x80	- 6
¼x40	- 6
½x20	- 6
1 x10	- 6
1¼x 8	- 6
2 x 5	- 6
2½x 4	- 6
⅛x60	- 8
¼x30	- 8
½x15	- 8
1 x 7½	- 8
1¼x 6	- 8
1½x 5	- 8
2 x 3¾	- 8
2½x 3	[illegible]
⅛x48	-10
¼x24	-10
½x12	-10
1 x 6	-10
1½x 4	-10
2 x 3	-10
⅛x40	-12
¼x20	-12
½x10	-12
1 x 5	-12
1¼x 4	-12
2 x 2½	-12
⅛x32	-15
¼x16	-15
½x 8	-15
1 x 4	-15
2 x 2	-15
⅛x30	-16
¼x15	-16
½x 7½	-16
1 x 3¾	-16
⅛x24	-20
¼x12	-20
½x 6	-20
1 x 3	-20
1½x 2	-20

Size Lth

¼x64 - 1
½x32 - 1
1 x16 - 1
2 x 8 - 1
4 x 4 - 1
½x16 - 2
1 x 8 - 2
2 x 4 - 2
½x 8 - 4
1 x 4 - 4
2 x 2 - 4
¼x 8 - 8
½x 4 - 8
1 x 2 - 8
⅛x 8 - 16
¼x 4 - 16
½x 2 - 16
1 x 1 - 16

1 x24 - 1
1½x16 - 1
2 x12 - 1
3 x 8 - 1
4 x 6 - 1
1 x12 - 2
1½x 8 - 2
2 x 6 - 2
3 x 4 - 2
1 x 8 - 3
2 x 4 - 3
1 x 6 - 4
1½x 4 - 4
2 x 3 - 4
1 x 4 - 6
2 x 2 - 6
1 x 3 - 8
1½x 2 - 8

1 x32 - 1
2 x16 - 1
4 x 8 - 1
1 x16 - 2
2 x 8 - 2
4 x 4 - 2
½x16 - 4
1 x 8 - 4
2 x 4 - 4
⅛x32 - 8
¼x16 - 8
½x 8 - 8
1 x 4 - 8
2 x 2 - 8
⅛x16 - 16
¼x 8 - 16
½x 4 - 16
1 x 2 - 16

2½x 8 - 2
4 x 5 - 2
1 x10 - 4
1¼x 8 - 4
2 x 5 - 4
2½x 4 - 5
1 x 8 - 5
2 x 4 - 5
1 x 5 - 8
1¼x 4 - 8
2 x 2½- 8
1 x 4 -10
2 x 2 -10
1¼x 2 -16
1 x 2½-16
⅛x 8 -20
½x 4 -20
1 x 2 -20

½ X 4 / 2 X 2 = 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Fect	Feet	Feet	Feet	
	1⅓	2⅔	4	5⅓	6⅔	8	9⅓	10⅔	12	13⅓	**10**
10	14⅔	16	17⅓	18⅔	20	21⅓	22⅔	24	25⅓	26⅔	**20**
20	28	29⅓	30⅔	32	33⅓	34⅔	36	37⅓	38⅔	40	**30**
30	41⅓	42⅔	44	45⅓	46⅔	48	49⅓	50⅔	52	53⅓	**40**
40	54⅔	56	57⅓	58⅔	60	61⅓	62⅔	64	65⅓	66⅔	**50**
50	68	69⅓	70⅔	72	73⅓	74⅔	76	77⅓	78⅔	80	**60**
60	81⅓	82⅔	84	85⅓	86⅔	88	89⅓	90⅔	92	93⅓	**70**
70	94⅔	96	97⅓	98⅔	100	101⅓	102⅔	104	105⅓	106⅔	**80**
80	108	109⅓	110⅔	112	113⅓	114⅔	116	117⅓	118⅔	120	**90**
90	121⅓	122⅔	124	125⅓	126⅔	128	129⅓	130⅔	132	133⅓	**100**

½ X 4 / 2 X 2 = 6

	2	4	6	8	10	12	14	16	18	20	**10**
10	22	24	26	28	30	32	34	36	38	40	**20**
20	42	44	46	48	50	52	54	56	58	60	**30**
30	62	64	66	68	70	72	74	76	78	80	**40**
40	82	84	86	88	90	92	94	96	98	100	**50**
50	102	104	106	108	110	112	114	116	118	120	**60**
60	122	124	126	128	130	132	134	136	138	140	**70**
70	142	144	146	148	150	152	154	156	158	160	**80**
80	162	164	166	168	170	172	174	176	178	180	**90**
90	182	184	186	188	190	192	194	196	198	200	**100**

½ X 4 / 2 X 2 = 8

	2⅔	5⅓	8	10⅔	13⅓	16	18⅔	21⅓	24	26⅔	**10**
10	29⅓	32	34⅔	37⅓	40	42⅔	45⅓	48	50⅔	53⅓	**20**
20	56	58⅔	61⅓	64	66⅔	69⅓	72	74⅔	77⅓	80	**30**
30	82⅔	85⅓	88	90⅔	93⅓	96	98⅔	101⅓	104	106⅔	**40**
40	109⅓	112	114⅔	117⅓	120	122⅔	125⅓	128	130⅔	133⅓	**50**
50	136	138⅔	141⅓	144	146⅔	149⅓	152	154⅔	157⅓	160	**60**
60	162⅔	165⅓	168	170⅔	173⅓	176	178⅔	181⅓	184	186⅔	**70**
70	189⅓	192	194⅔	197⅓	200	202⅔	205⅓	208	210⅔	213⅓	**80**
80	216	218⅔	221⅓	224	226⅔	229⅓	232	234⅔	237⅓	240	**90**
90	242⅔	245⅓	248	250⅔	253⅓	256	258⅔	261⅓	264	266⅔	**100**

½ X 4 / 2 X 2 = 10

	3⅓	6⅔	10	13⅓	16⅔	20	23⅓	26⅔	30	33⅓	**10**
10	36⅔	40	43⅓	46⅔	50	53⅓	56⅔	60	63⅓	66⅔	**20**
20	70	73⅓	76⅔	80	83⅓	86⅔	90	93⅓	96⅔	100	**30**
30	103⅓	106⅔	110	113⅓	116⅔	120	123⅓	126⅔	130	133⅓	**40**
40	136⅔	140	143⅓	146⅔	150	153⅓	156⅔	160	163⅓	166⅔	**50**
50	170	173⅓	176⅔	180	183⅓	186⅔	190	193⅓	196⅔	200	**60**
60	203⅓	206⅔	210	213⅓	216⅔	220	223⅓	226⅔	230	233⅓	**70**
70	236⅔	240	243⅓	246⅔	250	253⅓	256⅔	260	263⅓	266⅔	**80**
80	270	273⅓	276⅔	280	283⅓	286⅔	290	293⅓	296⅔	300	**90**
90	303⅓	306⅔	310	313⅓	316⅔	320	323⅓	326⅔	330	333⅓	**100**

For greater number of pieces than shown above, for ½, drop the fraction and num-x 5; for ⅓, annex 6⅔; for ⅙, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

1x4
1x5
1x6
1x7
2x4
1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

$\frac{1 \times 4}{2 \times 2} = 12$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	4	8	12	16	20	24	28	32	36	40	**10**
10	44	48	52	56	60	64	68	72	76	80	**20**
20	84	88	92	96	100	104	108	112	116	120	**30**
30	124	128	132	136	140	144	148	152	156	160	**40**
40	164	168	172	176	180	184	188	192	196	200	**50**
50	204	208	212	216	220	224	228	232	236	240	**60**
60	244	248	252	256	260	264	268	272	276	280	**70**
70	284	288	292	296	300	304	308	312	316	320	**80**
80	324	328	332	336	340	344	348	352	356	360	**90**
90	364	368	372	376	380	384	388	392	396	400	**100**
100	404	408	412	416	420	424	428	432	436	440	**110**
110	444	448	452	456	460	464	468	472	476	480	**120**
120	484	488	492	496	500	504	508	512	516	520	**130**
130	524	528	532	536	540	544	548	552	556	560	**140**
140	564	568	572	576	580	584	588	592	596	600	**150**
150	604	608	612	616	620	624	628	632	636	640	**160**
160	644	648	652	656	660	664	668	672	676	680	**170**
170	684	688	692	696	700	704	708	712	716	720	**180**
180	724	728	732	736	740	744	748	752	756	760	**190**
190	764	768	772	776	780	784	788	792	796	800	**200**
200	804	808	812	816	820	824	828	832	836	840	**210**
210	844	848	852	856	860	864	868	872	876	880	**220**
220	884	888	892	896	900	904	908	912	916	920	**230**
230	924	928	932	936	940	944	948	952	956	960	**240**
240	964	968	972	976	980	984	988	992	996	1000	**250**
250	1004	1008	1012	1016	1020	1024	1028	1032	1036	1040	**260**
260	1044	1048	1052	1056	1060	1064	1068	1072	1076	1080	**270**
270	1084	1088	1092	1096	1100	1104	1108	1112	1116	1120	**280**
280	1124	1128	1132	1136	1140	1144	1148	1152	1156	1160	**290**
290	1164	1168	1172	1176	1180	1184	1188	1192	1196	1200	**300**
300	1204	1208	1212	1216	1220	1224	1228	1232	1236	1240	**310**
310	1244	1248	1252	1256	1260	1264	1268	1272	1276	1280	**320**
320	1284	1288	1292	1296	1300	1304	1308	1312	1316	1320	**330**
330	1324	1328	1332	1336	1340	1344	1348	1352	1356	1360	**340**
340	1364	1368	1372	1376	1380	1384	1388	1392	1396	1400	**350**
350	1404	1408	1412	1416	1420	1424	1428	1432	1436	1440	**360**
360	1444	1448	1452	1456	1460	1464	1468	1472	1476	1480	**370**
370	1484	1488	1492	1496	1500	1504	1508	1512	1516	1520	**380**
380	1524	1528	1532	1536	1540	1544	1548	1552	1556	1560	**390**
390	1564	1568	1572	1576	1580	1584	1588	1592	1596	1600	**400**
400	1604	1608	1612	1616	1620	1624	1628	1632	1636	1640	**410**
410	1644	1648	1652	1656	1660	1664	1668	1672	1676	1680	**420**
420	1684	1688	1692	1696	1700	1704	1708	1712	1716	1720	**430**
430	1724	1728	1732	1736	1740	1744	1748	1752	1756	1760	**440**
440	1764	1768	1772	1776	1780	1784	1788	1792	1796	1800	**450**
450	1804	1808	1812	1816	1820	1824	1828	1832	1836	1840	**460**
460	1844	1848	1852	1856	1860	1864	1868	1872	1876	1880	**470**
470	1884	1888	1892	1896	1900	1904	1908	1912	1916	1920	**480**
480	1924	1928	1932	1936	1940	1944	1948	1952	1956	1960	**490**
490	1964	1968	1972	1976	1980	1984	1988	1992	1996	2000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
1½ x32	- 1
2 x24	- 1
3 x16	- 1
4 x12	- 1
6 x 8	- 1
½ x48	- 2
1 x24	- 2
1½ x16	- 2
2 x12	- 2
3 x 8	- 2
4 x 6	- 2
¼ x64	- 3
½ x32	- 3
1 x16	- 3
2 x 8	- 3
4 x 4	- 3
¼ x48	- 4
½ x24	- 4
1 x12	- 4
1½ x 8	- 4
2 x 6	- 4
3 x 4	- 4
⅛ x64	- 6
¼ x32	- 6
½ x16	- 6
1 x 8	- 6
2 x 4	- 6
⅛ x48	- 8
¼ x24	- 8
½ x12	- 8
1 x 6	- 8
1½ x 4	- 8
2 x 3	- 8
⅛ x32	-12
¼ x16	-12
½ x 8	-12
1 x 4	-12
2 x 2	-12
⅛ x24	-16
¼ x12	-16
½ x 6	-16
1 x 3	-16
⅛ x16	-24
¼ x 8	-24
½ x 4	-24
1 x 2	-24

Size	Lth
1¾x32	- 1
2 x28	- 1
3½x16	- 1
4 x14	- 1
7 x 8	- 1
½x56	- 2
1 x28	- 2
1¾x16	- 2
2 x14	- 2
3½x 8	- 2
4 x 7	- 2
¼x56	- 4
½x28	- 4
1 x14	- 4
1¾x 8	- 4
2 x 7	- 4
3½x 4	- 4
⅛x64	- 7
¼x32	- 7
½x16	- 7
1 x 8	- 7
2 x 4	- 7
⅛x56	- 8
¼x28	- 8
½x14	- 8
1 x 7	- 8
1¾x 4	- 8
2 x 3½	- 8
⅛x32	-14
¼x16	-14
½x 8	-14
1 x 4	-14
⅛x28	-16
¼x14	-16
½x 7	-16
1 x 3½	-16
1¾x 2	-16

1 x 4
2 x 2 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	4⅔	9⅓	14	18⅔	23⅓	28	32⅔	37⅓	42	46⅔	**10**
10	51⅓	56	60⅔	65⅓	70	74⅔	79⅓	84	88⅔	93⅓	**20**
20	98	102⅔	107⅓	112	116⅔	121⅓	126	130⅔	135⅓	140	**30**
30	144⅔	149⅓	154	158⅔	163⅓	168	172⅔	177⅓	182	186⅔	**40**
40	191⅓	196	200⅔	205⅓	210	214⅔	219⅓	224	228⅔	233⅓	**50**
50	238	242⅔	247⅓	252	256⅔	261⅓	266	270⅔	275⅓	280	**60**
60	284⅔	289⅓	294	298⅔	303⅓	308	312⅔	317⅓	322	326⅔	**70**
70	331⅓	336	340⅔	345⅓	350	354⅔	359⅓	364	368⅔	373⅓	**80**
80	378	382⅔	387⅓	392	396⅔	401⅓	406	410⅔	415⅓	420	**90**
90	424⅔	429⅓	434	438⅔	443⅓	448	452⅔	457⅓	462	466⅔	**100**
100	471⅓	476	480⅔	485⅓	490	494⅔	499⅓	504	508⅔	513⅓	**110**
110	518	522⅔	527⅓	532	536⅔	541⅓	546	550⅔	555⅓	560	**120**
120	564⅔	569⅓	574	578⅔	583⅓	588	592⅔	597⅓	602	606⅔	**130**
130	611⅓	616	620⅔	625⅓	630	634⅔	639⅓	644	648⅔	653⅓	**140**
140	658	662⅔	667⅓	672	676⅔	681⅓	686	690⅔	695⅓	700	**150**
150	704⅔	709⅓	714	718⅔	723⅓	728	732⅔	737⅓	742	746⅔	**160**
160	751⅓	756	760⅔	765⅓	770	774⅔	779⅓	784	788⅔	793⅓	**170**
170	798	802⅔	807⅓	812	816⅔	821⅓	826	830⅔	835⅓	840	**180**
180	844⅔	849⅓	854	858⅔	863⅓	868	872⅔	877⅓	882	886⅔	**190**
190	891⅓	896	900⅔	905⅓	910	914⅔	919⅓	924	928⅔	933⅓	**200**
200	938	942⅔	947⅓	952	956⅔	961⅓	966	970⅔	975⅓	980	**210**
210	984⅔	989⅓	994	998⅔	1003⅓	1008	1012⅔	1017⅓	1022	1026⅔	**220**
220	1031⅓	1036	1040⅔	1045⅓	1050	1054⅔	1059⅓	1064	1068⅔	1073⅓	**230**
230	1078	1082⅔	1087⅓	1092	1096⅔	1101⅓	1106	1110⅔	1115⅓	1120	**240**
240	1124⅔	1129⅓	1134	1138⅔	1143⅓	1148	1152⅔	1157⅓	1162	1166⅔	**250**
250	1171⅓	1176	1180⅔	1185⅓	1190	1194⅔	1199⅓	1204	1208⅔	1213⅓	**260**
260	1218	1222⅔	1227⅓	1232	1236⅔	1241⅓	1246	1250⅔	1255⅓	1260	**270**
270	1264⅔	1269⅓	1274	1278⅔	1283⅓	1288	1292⅔	1297⅓	1302	1306⅔	**280**
280	1311⅓	1316	1320⅔	1325⅓	1330	1334⅔	1339⅓	1344	1348⅔	1353⅓	**290**
290	1358	1362⅔	1367⅓	1372	1376⅔	1381⅓	1386	1390⅔	1395⅓	1400	**300**
300	1404⅔	1409⅓	1414	1418⅔	1423⅓	1428	1432⅔	1437⅓	1442	1446⅔	**310**
310	1451⅓	1456	1460⅔	1465⅓	1470	1474⅔	1479⅓	1484	1488⅔	1493⅓	**320**
320	1498	1502⅔	1507⅓	1512	1516⅔	1521⅓	1526	1530⅔	1535⅓	1540	**330**
330	1544⅔	1549⅓	1554	1558⅔	1563⅓	1568	1572⅔	1577⅓	1582	1586⅔	**340**
340	1591⅓	1596	1600⅔	1605⅓	1610	1614⅔	1619⅓	1624	1628⅔	1633⅓	**350**
350	1638	1642⅔	1647⅓	1652	1656⅔	1661⅓	1666	1670⅔	1675⅓	1680	**360**
360	1684⅔	1689⅓	1694	1698⅔	1703⅓	1708	1712⅔	1717⅓	1722	1726⅔	**370**
370	1731⅓	1736	1740⅔	1745⅓	1750	1754⅔	1759⅓	1764	1768⅔	1773⅓	**380**
380	1778	1782⅔	1787⅓	1792	1796⅔	1801⅓	1806	1810⅔	1815⅓	1820	**390**
390	1824⅔	1829⅓	1834	1838⅔	1843⅓	1848	1852⅔	1857⅓	1862	1866⅔	**400**
400	1871⅓	1876	1880⅔	1885⅓	1890	1894⅔	1899⅓	1904	1908⅔	1913⅓	**410**
410	1918	1922⅔	1927⅓	1932	1936⅔	1941⅓	1946	1950⅔	1955⅓	1960	**420**
420	1964⅔	1969⅓	1974	1978⅔	1983⅓	1988	1992⅔	1997⅓	2002	2006⅔	**430**
430	2011⅓	2016	2020⅔	2025⅓	2030	2034⅔	2039⅓	2044	2048⅔	2053⅓	**440**
440	2058	2062⅔	2067⅓	2072	2076⅔	2081⅓	2086	2090⅔	2095⅓	2100	**450**
450	2104⅔	2109⅓	2114	2118⅔	2123⅓	2128	2132⅔	2137⅓	2142	2146⅔	**460**
460	2151⅓	2156	2160⅔	2165⅓	2170	2174⅔	2179⅓	2184	2188⅔	2193⅓	**470**
470	2198	2202⅔	2207⅓	2212	2216⅔	2221⅓	2226	2230⅔	2235⅓	2240	**480**
480	2244⅔	2249⅓	2254	2258⅔	2263⅓	2268	2272⅔	2277⅓	2282	2286⅔	**490**
490	2291½	2296	2300⅔	2305⅓	2310	2314⅔	2319⅓	2324	2328⅔	2333⅓	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

½ x 4 / 2 x 2 = 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet	Feet	Feet	Feet	
	5⅓	10⅔	16	21⅓	26⅔	32	37⅓	42⅔	48	53⅓	10
10	58⅔	64	69⅓	74⅔	80	85⅓	90⅔	96	101⅓	106⅔	20
20	112	117⅓	122⅔	128	133⅓	138⅔	144	149⅓	154⅔	160	30
30	165⅓	170⅔	176	181⅓	186⅔	192	197⅓	202⅔	208	213⅓	40
40	218⅔	224	229⅓	234⅔	240	245⅓	250⅔	256	261⅓	266⅔	50
50	272	277⅓	282⅔	288	293⅓	298⅔	304	309⅓	314⅔	320	60
60	325⅓	330⅔	336	341⅓	346⅔	352	357⅓	362⅔	368	373⅓	70
70	378⅔	384	389⅓	394⅔	400	405⅓	410⅔	416	421⅓	426⅔	80
80	432	437⅓	442⅔	448	453⅓	458⅔	464	469⅓	474⅔	480	90
90	485⅓	490⅔	496	501⅓	506⅔	512	517⅓	522⅔	528	533⅓	100
100	538⅔	544	549⅓	554⅔	560	565⅓	570⅔	576	581⅓	586⅔	110
110	592	597⅓	602⅔	608	613⅓	618⅔	624	629⅓	634⅔	640	120
120	645⅓	650⅔	656	661⅓	666⅔	672	677⅓	682⅔	688	693⅓	130
130	698⅔	704	709⅓	714⅔	720	725⅓	730⅔	736	741⅓	746⅔	140
140	752	757⅓	762⅔	768	773⅓	778⅔	784	789⅓	794⅔	800	150
150	805⅓	810⅔	816	821⅓	826⅔	832	837⅓	842⅔	848	853⅓	160
160	858⅔	864	869⅓	874⅔	880	885⅓	890⅔	896	901⅓	906⅔	170
170	912	917⅓	922⅔	928	933⅓	938⅔	944	949⅓	954⅔	960	180
180	965⅓	970⅔	976	981⅓	986⅔	992	997⅓	1002⅔	1008	1013⅓	190
190	1018⅔	1024	1029⅓	1034⅔	1040	1045⅓	1050⅔	1056	1061⅓	1066⅔	200
200	1072	1077⅓	1082⅔	1088	1093⅓	1098⅔	1104	1109⅓	1114⅔	1120	210
210	1125⅓	1130⅔	1136	1141⅓	1146⅔	1152	1157⅓	1162⅔	1168	1173⅓	220
220	1178⅔	1184	1189⅓	1194⅔	1200	1205⅓	1210⅔	1216	1221⅓	1226⅔	230
230	1232	1237⅓	1242⅔	1248	1253⅓	1258⅔	1264	1269⅓	1274⅔	1280	240
240	1285⅓	1290⅔	1296	1301⅓	1306⅔	1312	1317⅓	1322⅔	1328	1333⅓	250
250	1338⅔	1344	1349⅓	1354⅔	1360	1365⅓	1370⅔	1376	1381⅓	1386⅔	260
260	1392	1397⅓	1402⅔	1408	1413⅓	1418⅔	1424	1429⅓	1434⅔	1440	270
270	1445⅓	1450⅔	1456	1461⅓	1466⅔	1472	1477⅓	1482⅔	1488	1493⅓	280
280	1498⅔	1504	1509⅓	1514⅔	1520	1525⅔	1530⅔	1536	1541⅓	1546⅔	290
290	1552	1557⅓	1562⅔	1568	1573⅓	1578⅔	1584	1589⅓	1594⅔	1600	300
300	1605⅓	1610⅔	1616	1621⅓	1626⅔	1632	1637⅓	1642⅔	1648	1653⅓	310
310	1658⅔	1664	1669⅓	1674⅔	1680	1685⅓	1690⅔	1696	1701⅓	1706⅔	320
320	1712	1717⅓	1722⅔	1728	1733⅓	1738⅔	1744	1749⅓	1754⅔	1760	330
330	1765⅓	1770⅔	1776	1781⅓	1786⅔	1792	1797⅓	1802⅔	1808	1813⅓	340
340	1818⅔	1824	1829⅓	1834⅔	1840	1845⅓	1850⅔	1856	1861⅓	1866⅔	350
350	1872	1877⅓	1882⅔	1888	1893⅓	1898⅔	1904	1909⅓	1914⅔	1920	360
360	1925⅓	1930⅔	1936	1941⅓	1946⅔	1952	1957⅓	1962⅔	1968	1973⅓	370
370	1978⅔	1984	1989⅓	1994⅔	2000	2005⅓	2010⅔	2016	2021⅓	2026⅔	380
380	2032	2037⅓	2042⅔	2048	2053⅓	2058⅔	2064	2069⅓	2074⅔	2080	390
390	2085⅓	2090⅔	2096	2101⅓	2106⅔	2112	2117⅓	2122⅔	2128	2133⅓	400
400	2138⅔	2144	2149⅓	2154⅔	2160	2165⅓	2170⅔	2176	2181⅓	2186⅔	410
410	2192	2197⅓	2202⅔	2208	2213⅓	2218⅔	2224	2229⅓	2234⅔	2240	420
420	2245⅓	2250⅔	2256	2261⅓	2266⅔	2272	2277⅓	2282⅔	2288	2293⅓	430
430	2298⅔	2304	2309⅓	2314⅔	2320	2325⅓	2330⅔	2336	2341⅓	2346⅔	440
440	2352	2357⅓	2362⅔	2368	2373⅓	2378⅔	2384	2389⅓	2394⅔	2400	450
450	2405⅓	2410⅔	2416	2421⅓	2426⅔	2432	2437⅓	2442⅔	2448	2453⅓	460
460	2458⅔	2464	2469⅓	2474⅔	2480	2485⅓	2490⅔	2496	2501⅓	2506⅔	470
470	2512	2517⅓	2522⅔	2528	2533⅓	2538⅔	2544	2549⅓	2554⅔	2560	480
480	2565⅓	2570⅔	2576	2581⅓	2586⅔	2592	2597⅓	2602⅔	2608	2613⅓	490
490	2618⅔	2624	2629⅓	2634⅔	2640	2645⅓	2650⅔	2656	2661⅓	2666⅔	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
1 x64	- 1
2 x32	- 1
4 x16	- 1
8 x 8	- 1
½x64	- 2
1 x32	- 2
2 x16	- 2
4 x 8	- 2
¼x64	- 4
½x32	- 4
1 x16	- 4
2 x 8	- 4
4 x 4	- 4
⅛x64	- 8
¼x32	- 8
½x16	- 8
1 x 8	- 8
2 x 4	- 8
⅛x32	-16
¼x16	-16
½x 8	-16
1 x 4	-16
2 x 2	-16

Size	Lth
3 x24	- 1
4 x18	- 1
4½x16	- 1
6 x12	- 1
8 x 9	- 1
1½x24	- 2
2 x18	- 2
2¼x16	- 2
3 x12	- 2
4 x 9	- 2
4½x 8	- 2
6 x 6	- 2
¼x96	- 3
½x48	- 3
1 x24	- 3
1½x16	- 3
2 x12	- 3
3 x 8	- 3
4 x 6	- 3
¼x72	- 4
½x36	- 4
1 x18	- 4
1½x12	- 4
2 x 9	- 4
2¼x 8	- 4
3 x 6	- 4
4 x 4½	- 4
⅛x96	- 6
¼x48	- 6
½x24	- 6
1 x12	- 6
1½x 8	- 6
3 x 4	- 6
⅛x72	- 8
¼x36	- 8
½x18	- 8
1 x 9	- 8
1½x 6	- 8
2 x 4½	- 8
2¼x 4	- 8
3 x 3	- 8
⅛x64	- 9
¼x32	- 9
½x16	- 9
1 x 8	- 9
2 x 4	- 9
⅛x48	-12
¼x24	-12
½x12	-12
1 x 6	-12
1½x 4	-12
⅛x36	-16
¼x18	-16
½x 9	-16
1 x 4½	-16
1½x 3	-16
2 x 2¼	-16
⅛x32	-18
¼x16	-18
½x 8	-18
1 x 4	-18
2 x 2	-18

Page 19

1 x 4 / 2 x 2 = 18

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet.	Feet	Feet	Feet.	Feet.	Feet.	Feet.	Feet	Feet	
	6	12	18	24	30	36	42	48	54	60	**10**
10	66	72	78	84	90	96	102	108	114	120	**20**
20	126	132	138	144	150	156	162	168	174	180	**30**
30	186	192	198	204	210	216	222	228	234	240	**40**
40	246	252	258	264	270	276	282	288	294	300	**50**
50	306	312	318	324	330	336	342	348	354	360	**60**
60	366	372	378	384	390	396	402	408	414	420	**70**
70	426	432	438	444	450	456	462	468	474	480	**80**
80	486	492	498	504	510	516	522	528	534	540	**90**
90	546	552	558	564	570	576	582	588	594	600	**100**
100	606	612	618	624	630	636	642	648	654	660	**110**
110	666	672	678	684	690	696	702	708	714	720	**120**
120	726	732	738	744	750	756	762	768	774	780	**130**
130	786	792	798	804	810	816	822	828	834	840	**140**
140	846	852	858	864	870	876	882	888	894	900	**150**
150	906	912	918	924	930	936	942	948	954	960	**160**
160	966	972	978	984	990	996	1002	1008	1014	1020	**170**
170	1026	1032	1038	1044	1050	1056	1062	1068	1074	1080	**180**
180	1086	1092	1098	1104	1110	1116	1122	1128	1134	1140	**190**
190	1146	1152	1158	1164	1170	1176	1182	1188	1194	1200	**200**
200	1206	1212	1218	1224	1230	1236	1242	1248	1254	1260	**210**
210	1266	1272	1278	1284	1290	1296	1302	1308	1314	1320	**220**
220	1326	1332	1338	1344	1350	1356	1362	1368	1374	1380	**230**
230	1386	1392	1398	1404	1410	1416	1422	1428	1434	1440	**240**
240	1446	1452	1458	1464	1470	1476	1482	1488	1494	1500	**250**
250	1506	1512	1518	1524	1530	1536	1542	1548	1554	1560	**260**
260	1566	1572	1578	1584	1590	1596	1602	1608	1614	1620	**270**
270	1626	1632	1638	1644	1650	1656	1662	1668	1674	1680	**280**
280	1686	1692	1698	1704	1710	1716	1722	1728	1734	1740	**290**
290	1746	1752	1758	1764	1770	1776	1782	1788	1794	1800	**300**
300	1806	1812	1818	1824	1830	1836	1842	1848	1854	1860	**310**
310	1866	1872	1878	1884	1890	1896	1902	1908	1914	1920	**320**
320	1926	1932	1938	1944	1950	1956	1962	1968	1974	1980	**330**
330	1986	1992	1998	2004	2010	2016	2022	2028	2034	2040	**340**
340	2046	2052	2058	2064	2070	2076	2082	2088	2094	2100	**350**
350	2106	2112	2118	2124	2130	2136	2142	2148	2154	2160	**360**
360	2166	2172	2178	2184	2190	2196	2202	2208	2214	2220	**370**
370	2226	2232	2238	2244	2250	2256	2262	2268	2274	2280	**380**
380	2286	2292	2298	2304	2310	2316	2322	2328	2334	2340	**390**
390	2346	2352	2358	2364	2370	2376	2382	2388	2394	2400	**400**
400	2406	2412	2418	2424	2430	2436	2442	2448	2454	2460	**410**
410	2466	2472	2478	2484	2490	2496	2502	2508	2514	2520	**420**
420	2526	2532	2538	2544	2550	2556	2562	2568	2574	2580	**430**
430	2586	2592	2598	2604	2610	2616	2622	2628	2634	2640	**440**
440	2646	2652	2658	2664	2670	2676	2682	2688	2694	2700	**450**
450	2706	2712	2718	2724	2730	2736	2742	2748	2754	2760	**460**
460	2766	2772	2778	2784	2790	2796	2802	2808	2814	2820	**470**
470	2826	2832	2838	2844	2850	2856	2862	2868	2874	2880	**480**
480	2886	2892	2898	2904	2910	2916	2922	2928	2934	2940	**490**
490	2946	2952	2958	2964	2970	2976	2982	2988	2994	3000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\frac{1 \times 4}{2 \times 2} = 20$

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet	10 Pieces Feet.	
	6⅔	13⅓	20	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	10
10	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓	20
20	140	146⅔	153⅓	160	166⅔	173⅓	180	186⅔	193⅓	200	30
30	206⅔	213⅓	220	226⅔	233⅓	240	246⅔	253⅓	260	266⅔	40
40	273⅓	280	286⅔	293⅓	300	306⅔	313⅓	320	326⅔	333⅓	50
50	340	346⅔	353⅓	360	366⅔	373⅓	380	386⅔	393⅓	400	60
60	406⅔	413⅓	420	426⅔	433⅓	440	446⅔	453⅓	460	466⅔	70
70	473⅓	480	486⅔	493⅓	500	506⅔	513⅓	520	526⅔	533⅓	80
80	540	546⅔	553⅓	560	566⅔	573⅓	580	586⅔	593⅓	600	90
90	606⅔	613⅓	620	626⅔	633⅓	640	646⅔	653⅓	660	666⅔	100
100	673⅓	680	686⅔	693⅓	700	706⅔	713⅓	720	726⅔	733⅓	110
110	740	746⅔	753⅓	760	766⅔	773⅓	780	786⅔	793⅓	800	120
120	806⅔	813⅓	820	826⅔	833⅓	840	846⅔	853⅓	860	866⅔	130
130	873⅓	880	886⅔	893⅓	900	906⅔	913⅓	920	926⅔	933⅓	140
140	940	946⅔	953⅓	960	966⅔	973⅓	980	986⅔	993⅓	1000	150
150	1006⅔	1013⅓	1020	1026⅔	1033⅓	1040	1046⅔	1053⅓	1060	1066⅔	160
160	1073⅓	1080	1086⅔	1093⅓	1100	1106⅔	1113⅓	1120	1126⅔	1133⅓	170
170	1140	1146⅔	1153⅓	1160	1166⅔	1173⅓	1180	1186⅔	1193⅓	1200	180
180	1206⅔	1213⅓	1220	1226⅔	1233⅓	1240	1246⅔	1253⅓	1260	1266⅔	190
190	1273⅓	1280	1286⅔	1293⅓	1300	1306⅔	1313⅓	1320	1326⅔	1333⅓	200
200	1340	1346⅔	1353⅓	1360	1366⅔	1373⅓	1380	1386⅔	1393⅓	1400	210
210	1406⅔	1413⅓	1420	1426⅔	1433⅓	1440	1446⅔	1453⅓	1460	1466⅔	220
220	1473⅓	1480	1486⅔	1493⅓	1500	1506⅔	1513⅓	1520	1526⅔	1533⅓	230
230	1540	1546⅔	1553⅓	1560	1566⅔	1573⅓	1580	1586⅔	1593⅓	1600	249
240	1606⅔	1613⅓	1620	1626⅔	1633⅓	1640	1646⅔	1653⅓	1660	1666⅔	250
250	1673⅓	1680	1686⅔	1693⅓	1700	1706⅔	1713⅓	1720	1726⅔	1733⅓	260
260	1740	1746⅔	1753⅓	1760	1766⅔	1773⅓	1780	1786⅔	1793⅓	1800	270
270	1806⅔	1813⅓	1820	1826⅔	1833⅓	1840	1846⅔	1853⅓	1860	1866⅔	280
280	1873⅓	1880	1886⅔	1893⅓	1900	1906⅔	1913⅓	1920	1926⅔	1933⅓	290
290	1940	1946⅔	1953⅓	1960	1966⅔	1973⅓	1980	1986⅔	1993⅓	2000	300
300	2006⅔	2013⅓	2020	2026⅔	2033⅓	2040	2046⅔	2053⅓	2060	2066⅔	310
310	2073⅓	2080	2086⅔	2093⅓	2100.	2106⅔	2113⅓	2120	2126⅔	2133⅓	320
320	2140	2146⅔	2153⅓	2160	2166⅔	2173⅓	2180	2186⅔	2193⅓	2200	330
330	2206⅔	2213⅓	2220	2226⅔	2233⅓	2240	2246⅔	2253⅓	2260	2266⅔	340
340	2273⅓	2280	2286⅔	2293⅓	2300	2306⅔	2313⅓	2320	2326⅔	2333⅓	350
350	2340	2346⅔	2353⅓	2360	2366⅔	2373⅓	2380	2386⅔	2393⅓	2400	360
360	2406⅔	2413⅓	2420	2426⅔	2433⅓	2440	2446⅔	2453⅓	2460	2466⅔	370
370	2473⅓	2480	2486⅔	2493⅓	2500	2506⅔	2513⅓	2520	2526⅔	2533⅓	380
380	2540	2546⅔	2553⅓	2560	2566⅔	2573⅓	2580	2586⅔	2593⅓	2600	390
390	2606⅔	2613⅓	2620	2626⅔	2633⅓	2640	2646⅔	2653⅓	2660	2666⅔	400
400	2673⅓	2680	2686⅔	2693⅔	2700	2706⅔	2713⅓	2720	2726⅔	2733⅓	410
410	2740	2746⅔	2753⅓	2760	2766⅔	2773⅓	2780	2786⅔	2793⅓	2800	420
420	2806⅔	2813⅓	2820	2826⅔	2833⅓	2840	2846⅔	2853⅓	2860	2866⅔	430
430	2873⅓	2880	2886⅔	2893⅓	2900	2906⅔	2913⅓	2920	2926⅔	2933⅓	440
440	2940	2946⅔	2953⅓	2960	2966⅔	2973⅓	2980	2986⅔	2993⅓	3000	450
450	3006⅔	3013⅓	3020	3026⅔	3033⅓	3040	3046⅔	3053⅓	3060	3066⅔	460
460	3073⅓	3080	3086⅔	3093⅓	3100	3106⅔	3113⅓	3120	3126⅔	3133⅓	470
470	3140	3146⅔	3153⅓	3160	3166⅔	3173⅓	3180	3186⅔	3193⅓	3200	480
480	3206⅔	3213⅓	3220	3226⅔	3233⅓	3240	3246⅔	3253⅓	3260	3266⅔	490
490	3273⅓	3280	3286⅔	3293⅓	3300	3306⅔	3313⅓	3320	3326⅔	3333⅓	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
2½x32	- 1
4 x20	- 1
5 x16	- 1
8 x10	- 1
½x80	- 2
1 x40	- 2
2 x20	- 2
4 x10	- 2
5 x 8	- 2
¼x80	- 4
½x40	- 4
1 x20	- 4
2 x10	- 4
2½x 8	- 4
4 x 5	- 4
¼x64	- 5
½x32	- 5
1 x16	- 5
2 x 8	- 5
4 x 4	- 5
⅛x80	- 8
¼x40	- 8
½x20	- 8
1 x10	- 8
1¼x 8	- 8
2 x 5	- 8
2½x 4	- 8
⅛x64	-10
¼x32	-10
½x16	-10
1 x 8	-10
2 x 4	-10
⅛x40	-16
¼x20	-16
½x10	-16
1 x 5	-16
1¼x 4	-16
2 x 2½	-16
⅛x32	-20
¼x16	-20
½x 8	-20
1 x 4	-20
2 x 2	-20

See Also Page 9, Table No. 4.

Size Lth

1 x10 - 3
2 x 5 - 3
2½x 4 - 3
1 x 7½- 4
1¼x 6 - 4
1½x 5 - 4
2 x 3¾- 4
2½x 3 - 4
1 x 6 - 5
1½x 4 - 5
2 x 3 - 5
1 x 5 - 6
1¼x 4 - 6
2 x 2½- 6
1 x 3¾- 8
1¼x 3 - 8
1½x 2½- 8
1½x 2 -10
1 x 2½-12
1¼x 2 -12
1 x 2 -15
1¼x 1½-16
1 x 1½-20

½ X 5 / 2½ = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	2½	5	7½	10	12½	15	17½	20	22½	25	10
	27½	30	32½	35	37½	40	42½	45	47½	50	20
10	52½	55	57½	60	62½	65	67½	70	72½	75	30
20	77½	80	82½	85	87½	90	92½	95	97½	100	40
30	102½	105	107½	110	112½	115	117½	120	122½	125	50
40	127½	130	132½	135	137½	140	142½	145	147½	150	60
50	152½	155	157½	160	162½	165	167½	170	172½	175	70
60	177½	180	182½	185	187½	190	192½	195	197½	200	80
70	202½	205	207½	210	212½	215	217½	220	222½	225	90
80	227½	230	232½	235	237½	240	242½	245	247½	250	100
90											

See Also Page 8, Table No. 4.

2½x 8 - 2
4 x 5 - 2
1 x10 - 4
1¼x 8 - 4
2 x 5 - 4
2½x 4 - 4
1 x 8 - 5
2 x 4 - 5
1 x 5 - 8
1¼x 4 - 8
2 x 2½- 8
1 x 4 -10
2 x 2 -10
1¼x 2 -16
1 x 2½-16
½x 8 -20
½x 4 -20
1 x 2 -20

½ X 5 / 2½ = 8

	3⅓	6⅔	10	13⅓	16⅔	20	23⅓	26⅔	30	33⅓	10
	36⅔	40	43⅓	46⅔	50	53⅓	56⅔	60	63⅓	66⅔	20
10	70	73⅓	76⅔	80	83⅓	86⅔	90	93⅓	96⅔	100	30
20	103⅓	106⅔	110	113⅓	116⅔	120	123⅓	126⅔	130	133⅓	40
30	136⅔	140	143⅓	146⅔	150	153⅓	156⅔	160	163⅓	166⅔	50
40	170	173⅓	176⅔	180	183⅓	186⅔	190	193⅓	196⅔	200	60
50	203⅓	206⅔	210	213⅓	216⅔	220	223⅓	226⅔	230	233⅓	70
60	236⅔	240	243⅓	246⅔	250	253⅓	256⅔	260	263⅓	266⅔	80
70	270	273⅓	276⅔	280	283⅓	286⅔	290	293⅓	296⅔	300	90
80	303⅓	306⅔	310	313⅓	316⅔	320	323⅓	326⅔	330	333⅓	100
90											

2½x20 - 1
5 x10 - 1
2½x10 - 2
5 x 5 - 2
1 x12½- 4
1¼x10 - 4
1 x10 - 5
2 x 5 - 5
1 x 6¾- 8
2½x 2½- 8
¼x20 -10
½x10 -10
1 x 5 -10
1¼x 4 -10
2 x 2½-10
1¼x 2½-16
1 x 2½-20

½ X 5 / 2½ = 10

	4⅛	8⅓	12½	16⅔	20⅝	25	29⅛	33⅓	37½	41⅔	10
	45⅝	50	54⅛	58⅓	62½	66⅔	70⅝	75	79⅛	83⅓	20
10	87½	91⅔	95⅝	100	104⅛	108⅓	112½	116⅔	120⅝	125	30
20	129⅛	133⅓	137½	141⅔	145⅝	150	154⅛	158⅓	162½	166⅔	40
30	170⅝	175	179⅛	183⅓	187½	191⅔	195⅝	200	204⅛	208⅓	50
40	212½	216⅔	220⅝	225	229⅙	233⅓	237½	241⅔	245⅝	250	60
50	254⅛	258⅓	262½	266⅔	270⅝	275	279⅛	283⅓	287½	291⅔	70
60	295⅝	300	304⅛	308⅓	312½	316⅔	320⅝	325	329⅛	333⅓	80
70	337½	341⅔	345⅝	350	354⅛	358⅓	362½	366⅔	370⅝	375	90
80	379⅛	383⅓	387½	391⅔	395⅝	400	404⅙	408⅓	412½	416⅔	100
90											

2 x30 - 1
2½x24 - 1
3 x20 - 1
3¾x16 - 1
4 x15 - 1
5 x12 - 1
6 x10 - 1
7½x 8 - 1
½x60 - 2
1¼x24 - 2
1½x20 - 2
2 x15 - 2
2½x12 - 2
3 x10 - 2
3¾x 8 - 2
4 x 7½- 2
5 x 6 - 2
¼x80 - 3
½x40 - 3
1 x20 - 3
2 x10 - 3
2½x 8 - 3
4 x 5 - 3

For Complete Table, See Page 14.

½ X 5 / 2½ = 12

	5	10	15	20	25	30	35	40	45	50	10
	55	60	65	70	75	80	85	90	95	100	20
10	105	110	115	120	125	130	135	140	145	150	30
20	155	160	165	170	175	180	185	190	195	200	40
30	205	210	215	220	225	230	235	240	245	250	50
40	255	260	265	270	275	280	285	290	295	300	60
50	305	310	315	320	325	330	335	340	345	350	70
60	355	360	365	370	375	380	385	390	395	400	80
70	405	410	415	420	425	430	435	440	445	450	90
80	455	460	465	470	475	480	485	490	495	500	100
90											

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅓, annex 6⅔; for ⅙, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 201 for other sizes above tables answer for.

1x5
1x6
1x7
2x4
1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles
3x12
6x6

1/2 X 5 / X 2½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	5⅝	11⅜	17½	23⅜	29⅛	35	40⅞	46⅝	52½	58⅓	10
10	64⅛	70	75⅞	81⅝	87½	93⅓	99⅛	105	110⅞	116⅝	20
20	122½	128⅓	134⅛	140	145⅞	151⅝	157½	163⅓	169⅛	175	30
30	180⅞	186⅝	192½	198⅓	204⅛	210	215⅞	221⅝	227½	233⅓	40
40	239⅛	245	250⅞	256⅝	262½	268⅓	274⅛	280	285⅞	291⅝	50
50	297½	303⅓	309⅛	315	320⅞	326⅝	332½	338⅓	344⅛	350	60
60	355⅞	361⅝	367½	373⅓	379⅛	385	390⅞	396⅝	402½	408⅓	70
70	414⅛	420	425⅞	431⅝	437½	443⅓	449⅛	455	460⅞	466⅝	80
80	472½	478⅓	484⅛	490	495⅞	501⅝	507½	513⅓	519⅛	525	90
90	530⅞	536⅝	542½	548⅓	554⅛	560	565⅞	571⅝	577½	583⅓	100

1/2 X 5 / X 2½ = 16

	6⅔	13⅓	20	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	10
10	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓	20
20	140	146⅔	153⅓	160	166⅔	173⅓	180	186⅔	193⅓	200	30
30	206⅔	213⅓	220	226⅔	233⅓	240	246⅔	253⅓	260	266⅔	40
40	273⅓	280	286⅔	293⅓	300	306⅔	313⅓	320	326⅔	333⅓	50
50	340	346⅔	353⅓	360	366⅔	373⅓	380	386⅔	393⅓	400	60
60	406⅔	413⅓	420	426⅔	433⅓	440	446⅔	453⅓	460	466⅔	70
70	473⅓	480	486⅔	493⅓	500	506⅔	513⅓	520	526⅔	533⅓	80
80	540	546⅔	553⅓	560	566⅔	573⅓	580	586⅔	593⅓	600	90
90	606⅔	613⅓	620	626⅔	633⅓	640	646⅔	653⅓	660	666⅔	100

1/2 X 5 / X 2½ = 18

	7½	15	22½	30	37½	45	52½	60	67½	75	10
10	82½	90	97½	105	112½	120	127½	135	142½	150	20
20	157½	165	172½	180	187½	195	202½	210	217½	225	30
30	232½	240	247½	255	262½	270	277½	285	292½	300	40
40	307½	315	322½	330	337½	345	352½	360	367½	375	50
50	382½	390	397½	405	412½	420	427½	435	442½	450	60
60	457½	465	472½	480	487½	495	502½	510	517½	525	70
70	532½	540	547½	555	562½	570	577½	585	592½	600	80
80	607½	615	622½	630	637½	645	652½	660	667½	675	90
90	682½	690	697½	705	712½	720	727½	735	742½	750	100

1/2 X 5 / X 2½ = 20

	8⅓	16⅔	25	33⅓	41⅔	50	58⅓	66⅔	75	83⅓	10
10	91⅔	100	108⅓	116⅔	125	133⅓	141⅔	150	158⅓	166⅔	20
20	175	183⅓	191⅔	200	208⅓	216⅔	225	233⅓	241⅔	250	30
30	258⅓	266⅔	275	283⅓	291⅔	300	308⅓	316⅔	325	333⅓	40
40	341⅔	350	358⅓	366⅔	375	383⅓	391⅔	400	408⅓	416⅔	50
50	425	433⅓	441⅔	450	458⅓	466⅔	475	483⅓	491⅔	500	60
60	508⅓	516⅔	525	533⅓	541⅔	550	558⅓	566⅔	575	583⅓	70
70	591⅔	600	608⅓	616⅔	625	633⅓	641⅔	650	658⅓	666⅔	80
80	675	683⅓	691⅔	700	708⅓	716⅔	725	733⅓	741⅔	750	90
90	758⅓	766⅔	775	783⅓	791⅔	800	808⅓	816⅔	825	833⅓	100

Example: To find number of feet in 430 pieces 1x5=14, see table above for 1x5=14. 41 pieces 250 5-6 feet for 430 pieces drop fraction 5-6 and add 8⅓, 430 pieces 2,508⅓ feet. If 4,300 pieces drop fraction ⅓ and add 3⅓, 4,300 25,083⅓ feet. See pages 2, 3 and 4 for further explanations.

Size Lth

3½x20 - 1
5 x14 - 1
7 x10 - 1
8 x 8¾ - 1
1¼x28 - 2
2½x14 - 2
3½x10 - 2
4 x 8¾ - 2
5 x 7 - 2
1¼x14 - 4
1¾x10 - 4
2 x 8¾ - 4
2½x 7 - 4
3½x 5 - 4
1 x14 - 5
1¾x 8 - 5
2 x 7 - 5
3½x 4 - 5
1 x10 - 7
1¼x 8 - 7
2 x 5 - 7
2½x 4 - 7
1 x 8¾ - 8

See Page 24, Table No. 3, for

2½x32 - 1
4 x20 - 1
5 x16 - 1
8 x10 - 1
½x80 - 2
1 x40 - 2
2 x20 - 2
4 x10 - 2
5 x 8 - 2
¼x80 - 2
½x40 - 4
1 x20 - 4
2 x10 - 4
2½x 8 - 4
4 x 5 - 4
¼x64 - 5
½x32 - 5
1 x16 - 5

See Pages For Complete Table,

5 x18 - 1
6 x15 - 1
7½x12 - 1
8 x11¼ - 1
9 x10 - 1
3 x15 - 2
3¾x12 - 2
4 x11¼ - 2
4½x10 - 2
5 x 9 - 2
6 x 7½ - 2
1¼x24 - 3
1½x20 - 3
2 x15 - 3
2½x12 - 3
3 x10 - 3
3¾x 8 - 3
4 x 7½ - 3

See Lengths. For Other Sizes and

2 x50 - 1
4 x25 - 1
5 x20 - 1
8 x12½ - 1
10 x10 - 1
1 x50 - 2
2 x25 - 2
2½x20 - 2
4 x12½ - 2
5 x10 - 2
6¼x 8 - 2
1 x25 - 4
1¼x20 - 4
2 x12½ - 4
2½x10 - 4
4 x 6¼ - 4
5 x 5 - 4
1 x12½ - 8
2 x 6¼ - 8
2½x 5 - 8
1¼x 8 -10
1 x 6¼ -10
1 x 5 -20

See Also Page 40, Table No. 4.

Size Lth

x24 - 1
½x16 - 1
x12 - 1
x 8 - 1
x 6 - 1
x12 - 2
½x 8 - 2
x 6 - 2
x 4 - 2
x 8 - 3
x 4 - 3
x 6 - 4
½x 4 - 4
x 2 - 4
x 4 - 6
x 2 - 6
x 3 - 8
½x x 8 - 8
¼x 8 -12
½x 4 -12
x 2 -12
x 1½-16

1 x36 - 1
2 x18 - 1
3 x12 - 1
4 x 9 - 1
½x 8 - 1
6 x 6 - 1
1 x18 -2
1½x12 - 2
2 x 9 - 2
2½x 8 - 2
3 x 6 - 2
4 x 4½- 2
1 x12 - 3
1½x 8 - 3
3 x 4 - 3
1 x 9 - 4
1½x 6 - 4
2 x 4½- 4

1½x32 - 1
2 x24 - 1
3 x16 - 1
4 x12 - 1
6 x 8 - 1
½x48 - 2
1 x24 - 2
1½x16 - 2
2 x12 - 2
3 x 8 - 2
4 x 6 - 2
¼x64 - 3
½x32 - 3
1 x16 - 3
2 x 8 - 3
4 x 4 - 3
¼x48 - 4
½x24 - 4

2 x30 - 1
2½x24 - 1
3 x20 - 1
3¾x16 - 1
4 x15 - 1
5 x12 - 1
6 x10 - 1
7½x 8 - 1
½x60 - 2
1¼x24 - 2
1½x20 - 2
2 x15 - 2
2½x12 - 2
3 x10 - 2
3¾x 8 - 2
4 x 7½- 2
5 x 6 - 2
¼x80 - 3
½x40 - 3
1 x20 - 3
2 x10 - 3
2½x 8 - 3
4 x 5 - 3

Page 23

1 X 6 / 2 X 3 = 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	2	4	6	8	10	12	14	16	18	20	**10**
10	22	24	26	28	30	32	34	36	38	40	**20**
20	42	44	46	48	50	52	54	56	58	60	**30**
30	62	64	66	68	70	72	74	76	78	80	**40**
40	82	84	86	88	90	92	94	96	98	100	**50**
50	102	104	106	108	110	112	114	116	118	120	**60**
60	122	124	126	128	130	132	134	136	138	140	**70**
70	142	144	146	148	150	152	154	156	158	160	**80**
80	162	164	166	168	170	172	174	176	178	180	**90**
90	182	184	186	188	190	92	194	196	198	200	**100**

1 X 6 / 2 X 3 = 6

	3	6	9	12	15	18	21	24	27	30	**10**
10	33	36	39	42	45	48	51	54	57	60	**20**
20	63	66	69	72	75	78	81	84	87	90	**30**
30	93	96	99	102	105	108	111	114	117	120	**40**
40	123	126	129	132	135	138	141	144	147	150	**50**
50	153	156	159	162	165	168	171	174	177	180	**60**
60	183	186	189	192	195	198	201	204	207	210	**70**
70	213	216	219	222	225	228	231	234	237	240	**80**
80	243	246	249	252	255	258	261	264	267	270	**90**
90	273	276	279	282	285	288	291	294	297	300	**100**

1 X 6 / 2 X 3 = 8

	4	8	12	16	20	24	28	32	36	40	**10**
10	44	48	52	56	60	64	68	72	76	80	**20**
20	84	88	92	96	100	104	108	112	116	120	**30**
30	124	128	132	136	140	144	148	152	156	160	**40**
40	164	168	172	176	180	184	188	192	196	200	**50**
50	204	208	212	216	220	224	228	232	236	240	**60**
60	244	248	252	256	260	264	268	272	276	280	**70**
70	284	288	292	296	300	304	308	312	316	320	**80**
80	324	328	332	336	340	344	348	352	356	360	**90**
90	364	368	372	376	380	384	388	392	396	400	**100**

1 X 6 / 2 X 3 = 10

	5	10	15	20	25	30	35	40	45	50	**10**
10	55	60	65	70	75	80	85	90	95	100	**20**
20	105	110	115	120	125	130	135	140	145	150	**30**
30	155	160	165	170	175	180	185	190	195	200	**40**
40	205	210	215	220	225	230	235	240	245	250	**50**
50	255	260	265	270	275	280	285	290	295	300	**60**
60	305	310	315	320	325	330	335	340	345	350	**70**
70	355	360	365	370	375	380	385	390	395	400	**80**
80	405	410	415	420	425	430	435	440	445	450	**90**
90	455	460	465	470	475	480	485	490	495	500	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

1x6
1x7
2x4
1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 6 / 2 x 3 = 12

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet.	Feet.	Feet.	Feet.	Feet	Feet	Feet.	Feet.	Feet.	
	6	12	18	24	30	36	42	48	54	60	**10**
10	66	72	78	84	90	96	102	108	114	120	**20**
20	126	132	138	144	150	156	162	168	174	180	**30**
30	186	192	198	204	210	216	222	228	234	240	**40**
40	246	252	258	264	270	276	282	288	294	300	**50**
50	306	312	318	324	330	336	342	348	354	360	**60**
60	366	372	378	384	390	396	402	408	414	420	**70**
70	426	432	438	444	450	456	462	468	474	480	**80**
80	486	492	498	504	510	516	522	528	534	540	**90**
90	546	552	558	564	570	576	582	588	594	600	**100**
100	606	612	618	624	630	636	642	648	654	660	**110**
110	666	672	678	684	690	696	702	708	714	720	**120**
120	726	732	738	744	750	756	762	768	774	780	**130**
130	786	792	798	804	810	816	822	828	834	840	**140**
140	846	852	858	864	870	876	882	888	894	900	**150**
150	906	912	918	924	930	936	942	948	954	960	**160**
160	966	972	978	984	990	996	1002	1008	1014	1020	**170**
170	1026	1032	1038	1044	1050	1056	1062	1068	1074	1080	**180**
180	1086	1092	1098	1104	1110	1116	1122	1128	1134	1140	**190**
190	1146	1152	1158	1164	1170	1176	1182	1188	1194	1200	**200**
200	1206	1212	1218	1224	1230	1236	1242	1248	1254	1260	**210**
210	1266	1272	1278	1284	1290	1296	1302	1308	1314	1320	**220**
220	1326	1332	1338	1344	1350	1356	1362	1368	1374	1380	**230**
230	1386	1392	1398	1404	1410	1416	1422	1428	1434	1440	**240**
240	1446	1452	1458	1464	1470	1476	1482	1488	1494	1500	**250**
250	1506	1512	1518	1524	1530	1536	1542	1548	1554	1560	**260**
260	1566	1572	1578	1584	1590	1596	1602	1608	1614	1620	**270**
270	1626	1632	1638	1644	1650	1656	1662	1668	1674	1680	**280**
280	1686	1692	1698	1704	1710	1716	1722	1728	1734	1740	**290**
290	1746	1752	1758	1764	1770	1776	1782	1788	1794	1800	**300**
300	1806	1812	1818	1824	1830	1836	1842	1848	1854	1860	**310**
310	1866	1872	1878	1884	1890	1896	1902	1908	1914	1920	**320**
320	1926	1932	1938	1944	1950	1956	1962	1968	1974	1980	**330**
330	1986	1992	1998	2004	2010	2016	2022	2028	2034	2040	**340**
340	2046	2052	2058	2064	2070	2076	2082	2088	2094	2100	**350**
350	2106	2112	2118	2124	2130	2136	2142	2148	2154	2160	**360**
360	2166	2172	2178	2184	2190	2196	2202	2208	2214	2220	**370**
370	2226	2232	2238	2244	2250	2256	2262	2268	2274	2280	**380**
380	2286	2292	2298	2304	2310	2316	2322	2328	2334	2340	**390**
390	2346	2352	2358	2364	2370	2376	2382	2388	2394	2400	**400**
400	2406	2412	2418	2424	2430	2436	2442	2448	2454	2460	**410**
410	2466	2472	2478	2484	2490	2496	2502	2508	2514	2520	**420**
420	2526	2532	2538	2544	2550	2556	2562	2568	2574	2580	**430**
430	2586	2592	2598	2604	2610	2616	2622	2628	2634	2640	**440**
440	2646	2652	2658	2664	2670	2676	2682	2688	2694	2700	**450**
450	2706	2712	2718	2724	2730	2736	2742	2748	2754	2760	**460**
460	2766	2772	2778	2784	2790	2796	2802	2808	2814	2820	**470**
470	2826	2832	2838	2844	2850	2856	2862	2868	2874	2880	**480**
480	2886	2892	2898	2904	2910	2916	2922	2928	2934	2940	**490**
490	2946	2952	2958	2964	2970	2976	2982	2988	2994	3000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
3 x24	- 1
4 x18	- 1
4½x16	- 1
6 x12	- 1
8 x 9	- 1
1½x24	- 2
2 x18	- 2
2¼x16	- 2
3 x12	- 2
4 x 9	- 2
4½x 8	- 2
6 x 6	- 2
¼x96	- 3
½x48	- 3
1 x24	- 3
1½x16	- 3
2 x12	- 3
3 x 8	- 3
4 x 6	- 3
¼x72	- 4
½x36	- 4
1 x18	- 4
1½x12	- 4
2 x 9	- 4
2¼x 8	- 4
3 x 6	- 4
4 x 4½	- 4
⅛x96	- 6
¼x48	- 6
½x24	- 6
1 x12	- 6
1½x 8	- 6
3 x 4	- 6
⅛x72	- 8
¼x36	- 8
½x18	- 8
1 x 9	- 8
1½x 6	- 8
2 x 4½	- 8
2¼x 4	- 8
3 x 3	- 8
⅛x64	- 9
¼x32	- 9
½x16	- 9
1 x 8	- 9
2 x 4	- 9
⅛x48	-1
¼x24	-1
½x12	-1
1 x 6	-1
2 x 3	-1
1½x 4	-1
⅛x36	-1
¼x18	-1
½x 9	-1
1 x 4½	-1
1½x 3	-1
2 x 2¼	-1
⅛x32	-1
¼x16	-1
½x 8	-1
1 x 4	-1
2 x 2	-1

Size	Lth
2 x42	- 1
4 x21	- 1
3 x28	- 1
5¼x16	- 1
6 x14	- 1
7 x12	- 1
8 x10½	- 1
1 x42	- 2
1½x28	- 2
2 x21	- 2
3 x14	- 2
3½x12	- 2
4 x10½	- 2
5¼x 8	- 2
6 x 7	- 2
½x56	- 3
1 x28	- 3
1¾x16	- 3
2 x14	- 3
3½x 8	- 3
4 x 7	- 3
1 x21	- 4
1¾x12	- 4
1½x14	- 4
2 x10½	- 4
3 x 7	- 4
3½x 6	- 4
4 x 5¼	- 4
¼x56	- 6
½x28	- 6
1 x14	- 6
1¾x 8	- 6
2 x 7	- 6
3½x 4	- 6
⅛x96	- 7
¼x48	- 7
½x24	- 7
1 x12	- 7
1½x 8	- 7
2 x 6	- 7
3 x 4	- 7
⅛x84	- 8
¼x42	- 8
½x21	- 8
1 x10½	- 8
1½x 7	- 8
1¾x 6	- 8
2 x 5¼	- 8
3 x 3½	- 8
⅛x56	-12
¼x28	-12
½x14	-12
1 x 7	-12
1¾x 4	-12
2 x 3½	-12
⅛x48	-14
¼x24	-14
½x12	-14
1 x 6	-14
1½x 4	-14
2 x 3	-14
⅛x42	-16
¼x21	-16
½x10½	-16
1 x 5¼	-16
1½x 3½	-16
1¾x 3	-16
1 x 4	-21
2 x 2	-21

1 x 6 / 2 x 3 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet.	Feet.	Feet.	Feet	Feet.	Feet	Feet.	
	7	14	21	28	35	42	49	56	63	70	**10**
10	77	84	91	98	105	112	119	126	133	140	**20**
20	147	154	161	168	175	182	189	196	203	210	**30**
30	217	224	231	238	245	252	259	266	273	280	**40**
40	287	294	301	308	315	322	329	336	343	350	**50**
50	357	364	371	378	385	392	399	406	413	420	**60**
60	427	434	441	448	455	462	469	476	483	490	**70**
70	497	504	511	518	525	532	539	546	553	560	**80**
80	567	574	581	588	595	602	609	616	623	630	**90**
90	637	644	651	658	665	672	679	686	693	700	**100**
100	707	714	721	728	735	742	749	756	763	770	**110**
110	777	784	791	798	805	812	819	826	833	840	**120**
120	847	854	861	868	875	882	889	896	903	910	**130**
130	917	924	931	938	945	952	959	966	973	980	**140**
140	987	994	1001	1008	1015	1022	1029	1036	1043	1050	**150**
150	1057	1064	1071	1078	1085	1092	1099	1106	1113	1120	**160**
160	1127	1134	1141	1148	1155	1162	1169	1176	1183	1190	**170**
170	1197	1204	1211	1218	1225	1232	1239	1246	1253	1260	**180**
180	1267	1274	1281	1288	1295	1302	1309	1316	1323	1330	**190**
190	1337	1344	1351	1358	1365	1372	1379	1386	1393	1400	**200**
200	1407	1414	1421	1428	1435	1442	1449	1456	1463	1470	**210**
210	1477	1484	1491	1498	1505	1512	1519	1526	1533	1540	**220**
220	1547	1554	1561	1568	1575	1582	1589	1596	1603	1610	**230**
230	1617	1624	1631	1638	1645	1652	1659	1666	1673	1680	**240**
240	1687	1694	1701	1708	1715	1722	1729	1736	1743	1750	**250**
250	1757	1764	1771	1778	1785	1792	1799	1806	1813	1820	**260**
260	1827	1834	1841	1848	1855	1862	1869	1876	1883	1890	**270**
270	1897	1904	1911	1918	1925	1932	1939	1946	1953	1960	**280**
280	1967	1974	1981	1988	1995	2002	2009	2016	2023	2030	**290**
290	2037	2044	2051	2058	2065	2072	2079	2086	2093	2100	**300**
300	2107	2114	2121	2128	2135	2142	2149	2156	2163	2170	**310**
310	2177	2184	2191	2198	2205	2212	2219	2226	2233	2240	**320**
320	2247	2254	2261	2268	2275	2282	2289	2296	2303	2310	**330**
330	2317	2324	2331	2338	2345	2352	2359	2366	2373	2380	**340**
340	2387	2394	2401	2408	2415	2422	2429	2436	2443	2450	**350**
350	2457	2464	2471	2478	2485	2492	2499	2506	2513	2520	**360**
360	2527	2534	2541	2548	2555	2562	2569	2576	2583	2590	**370**
370	2597	2604	2611	2618	2625	2632	2639	2646	2653	2660	**380**
380	2667	2674	2681	2688	2695	2702	2709	2716	2723	2730	**390**
390	2737	2744	2751	2758	2765	2772	2779	2786	2793	2800	**400**
400	2807	2814	2821	2828	2835	2842	2849	2856	2863	2870	**410**
410	2877	2884	2891	2898	2905	2912	2919	2926	2933	2940	**420**
420	2947	2954	2961	2968	2975	2982	2989	2996	3003	3010	**430**
430	3017	3024	3031	3038	3045	3052	3059	3066	3073	3080	**440**
440	3087	3094	3101	3108	3115	3122	3129	3136	3143	3150	**450**
450	3157	3164	3171	3178	3185	3192	3199	3206	3213	3220	**460**
460	3227	3234	3241	8248	3255	3262	3269	3276	3283	3290	**470**
470	3297	3304	3311	3318	3325	3332	3339	3346	3353	3360	**480**
480	3367	3374	3381	3388	3395	3402	3409	3416	3423	3430	**490**
490	3437	3444	3451	3458	3465	3472	3479	3486	3493	3500	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x7
2x4
1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 6 / 2 x 3 = 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet	Feet.	Feet.	
	8	16	24	32	40	48	56	64	72	80	**10**
10	88	96	104	112	120	128	136	144	152	160	**20**
20	168	176	184	192	200	208	216	224	232	240	**30**
30	248	256	264	272	280	288	296	304	312	320	**40**
40	328	336	344	352	360	368	376	384	392	400	**50**
50	408	416	424	432	440	448	456	464	472	480	**60**
60	488	496	504	512	520	528	536	544	552	560	**70**
70	568	576	584	592	600	608	616	624	632	640	**80**
80	648	656	664	672	680	688	696	704	712	720	**90**
90	728	736	744	752	760	768	776	784	792	800	**100**
100	808	816	824	832	840	848	856	864	872	880	**110**
110	888	896	904	912	920	928	936	944	952	960	**120**
120	968	976	984	992	1000	1008	1016	1024	1032	1040	**130**
130	1048	1056	1064	1072	1080	1088	1096	1104	1112	1120	**140**
140	1128	1136	1144	1152	1160	1168	1176	1184	1192	1200	**150**
150	1208	1216	1224	1232	1240	1248	1256	1264	1272	1280	**160**
160	1288	1296	1304	1312	1320	1328	1336	1344	1352	1360	**170**
170	1368	1376	1384	1392	1400	1408	1416	1424	1432	1440	**180**
180	1448	1456	1464	1472	1480	1488	1496	1504	1512	1520	**190**
190	1528	1536	1544	1552	1560	1568	1576	1584	1592	1600	**200**
200	1608	1616	1624	1632	1640	1648	1656	1664	1672	1680	**210**
210	1688	1696	1704	1712	1720	1728	1736	1744	1752	1760	**220**
220	1768	1776	1784	1792	1800	1808	1816	1824	1832	1840	**230**
230	1848	1856	1864	1872	1880	1888	1896	1904	1912	1920	**240**
240	1928	1936	1944	1952	1960	1968	1976	1984	1992	2000	**250**
250	2008	2016	2024	2032	2040	2048	2056	2064	2072	2080	**260**
260	2088	2096	2104	2112	2120	2128	2136	2144	2152	2160	**270**
270	2168	2176	2184	2192	2200	2208	2216	2224	2232	2240	**280**
280	2248	2256	2264	2272	2280	2288	2296	2304	2312	2320	**290**
290	2328	2336	2344	2352	2360	2368	2376	2384	2392	2400	**300**
300	2408	2416	2424	2432	2440	2448	2456	2464	2472	2480	**310**
310	2488	2496	2504	2512	2520	2528	2536	2544	2552	2560	**320**
320	2568	2576	2584	2592	2600	2608	2616	2624	2632	2640	**330**
330	2648	2656	2664	2672	2680	2688	2696	2704	2712	2720	**340**
340	2728	2736	2744	2752	2760	2768	2776	2784	2792	2800	**350**
350	2808	2816	2824	2832	2840	2848	2856	2864	2872	2880	**360**
360	2888	2896	2904	2912	2920	2928	2936	2944	2952	2960	**370**
370	2968	2976	2984	2992	3000	3008	3016	3024	3032	3040	**380**
380	3048	3056	3064	3072	3080	3088	3096	3104	3112	3120	**390**
390	3128	3136	3144	3152	3160	3168	3176	3184	3192	3200	**400**
400	3208	3216	3224	3232	3240	3248	3256	3264	3272	3280	**410**
410	3288	3296	3304	3312	3320	3328	3336	3344	3352	3360	**420**
420	3368	3376	3384	3392	3400	3408	3416	3424	3432	3440	**430**
430	3448	3456	3464	3472	3480	3488	3496	3504	3512	3520	**440**
440	3528	3536	3544	3552	3560	3568	3576	3584	3592	3600	**450**
450	3608	3616	3624	3632	3640	3648	3656	3664	3672	3680	**460**
460	3688	3696	3704	3712	3720	3728	3736	3744	3752	3760	**470**
470	3768	3776	3784	3792	3800	3808	3816	3824	3832	3840	**480**
480	3848	3856	3864	3872	3880	3888	3896	3904	3912	3920	**490**
490	3928	3936	3944	3952	3960	3968	3976	3984	3992	4000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
1 x96	- 1
2 x48	- 1
4 x24	- 1
6 x16	- 1
8 x12	- 1
½x96	- 2
1 x48	- 2
1½x32	- 2
2 x24	- 2
3 x16	- 2
4 x12	- 2
6 x 8	- 2
½x64	- 3
1 x32	- 3
2 x16	- 3
4 x 8	- 3
¼x96	- 4
½x48	- 4
1 x24	- 4
1½x16	- 4
2 x12	- 4
3 x 8	- 4
4 x 6	- 4
¼x64	- 6
½x32	- 6
1 x16	- 6
2 x 8	- 6
4 x 4	- 6
⅛x96	- 8
¼x48	- 8
½x24	- 8
1 x12	- 8
1½x 8	- 8
2 x 6	- 8
3 x 4	- 8
⅛x64	-12
¼x32	-12
½x16	-12
1 x 8	-12
2 x 4	-12
⅛x48	-16
¼x24	-16
½x12	-16
1 x 6	-16
1½x 4	-16
2 x 3	-16
⅛x32	-24
¼x16	-24
½x 8	-24
1 x 4	-24
2 x 2	-24

Size	Lth
4 x27	1
4½x24	1
6 x18	1
8 x13½	1
9 x12	1
1 x54	2
2 x27	2
2¼x24	2
3 x18	2
4 x13½	2
4½x12	2
6¾x 8	2
6 x 9	2
½x72	3
1 x36	3
1½x24	3
2 x18	3
2¼x16	3
3 x12	3
4 x 9	3
4½x 8	3
6 x 6	3
½x54	4
1 x27	4
1½x18	4
2 x13½	4
2¼x12	4
3 x 9	4
4 x 6¾	4
4½x 6	4
¼x72	6
½x36	6
1 x18	6
1½x12	6
2 x 9	6
2¼x 8	6
3 x 6	6
4 x 4½	6
¼x54	8
½x27	8
1 x13½	8
1½x 9	8
2 x 6¾	8
2¼x 6	8
3 x 4½	8
⅛x96	9
¼x48	9
½x24	9
1 x12	9
1½x 8	9
2 x 6	9
3 x 4	9
⅛x72	12
¼x36	12
½x18	12
1 x 9	12
1½x 6	12
2 x 4½	12
2¼x 4	12
3 x 3	12
⅛x54	16
¼x27	16
½x13½	16
1 x 6¾	16
1½x 4½	16
2¼x 3	16
⅛x48	18
¼x24	18
½x12	18
1 x 6	18
1½x 4	18
2 x 3	18
⅛x32	27
¼x16	27
½x 8	27
1 x 4	27
2 x 2	27

See Also Pages 38 and 72.

1 x 6 / 2 x 3 = 18

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	9	18	27	36	45	54	63	72	81	90	**10**
10	99	108	117	126	135	144	153	162	171	180	**20**
20	189	198	207	216	225	234	243	252	261	270	**30**
30	279	288	297	306	315	324	333	342	351	360	**40**
40	369	378	387	396	405	414	423	432	441	450	**50**
50	459	468	477	486	495	504	513	522	531	540	**60**
60	549	558	567	576	585	594	603	612	621	630	**70**
70	639	648	657	666	675	684	693	702	711	720	**80**
80	729	738	747	756	765	774	783	792	801	810	**90**
90	819	828	837	846	855	864	873	882	891	900	**100**
100	909	918	927	936	945	954	963	972	981	990	**110**
110	999	1008	1017	1026	1035	1044	1053	1062	1071	1080	**120**
120	1089	1098	1107	1116	1125	1134	1143	1152	1161	1170	**130**
130	1179	1188	1197	1206	1215	1224	1233	1242	1251	1260	**140**
140	1269	1278	1287	1296	1305	1314	1323	1332	1341	1350	**150**
150	1359	1368	1377	1386	1395	1404	1413	1422	1431	1440	**160**
160	1449	1458	1467	1476	1485	1494	1503	1512	1521	1530	**170**
170	1539	1548	1557	1566	1575	1584	1593	1602	1611	1620	**180**
180	1629	1638	1647	1656	1665	1674	1683	1692	1701	1710	**190**
190	1719	1728	1737	1746	1755	1764	1773	1782	1791	1800	**200**
200	1809	1818	1827	1836	1845	1854	1863	1872	1881	1890	**210**
210	1899	1908	1917	1926	1935	1944	1953	1962	1971	1980	**220**
220	1989	1998	2007	2016	2025	2034	2043	2052	2061	2070	**230**
230	2079	2088	2097	2106	2115	2124	2133	2142	2151	2160	**240**
240	2169	2178	2187	2196	2205	2214	2223	2232	2241	2250	**250**
250	2259	2268	2277	2286	2295	2304	2313	2322	2331	2340	**260**
260	2349	2358	2367	2376	2385	2394	2403	2412	2421	2430	**270**
270	2439	2448	2457	2466	2475	2484	2493	2502	2511	2520	**280**
280	2529	2538	2547	2556	2565	2574	2583	2592	2601	2610	**290**
290	2619	2628	2637	2646	2655	2664	2673	2682	2691	2700	**300**
300	2709	2718	2727	2736	2745	2754	2763	2772	2781	2790	**310**
310	2799	2808	2817	2826	2835	2844	2853	2862	2871	2880	**320**
320	2889	2898	2907	2916	2925	2934	2943	2952	2961	2970	**330**
330	2979	2988	2997	3006	3015	3024	3033	3042	3051	3060	**340**
340	3069	3078	3087	3096	3105	3114	3123	3132	3141	3150	**350**
350	3159	3168	3177	3186	3195	3204	3213	3222	3231	3240	**360**
360	3249	3258	3267	3276	3285	3294	3303	3312	3321	3330	**370**
370	3339	3348	3357	3366	3375	3384	3393	3402	3411	3420	**380**
380	3429	3438	3447	3456	3465	3474	3483	3492	3501	3510	**390**
390	3519	3528	3537	3546	3555	3564	3573	3582	3591	3600	**400**
400	3609	3618	3627	3636	3645	3654	3663	3672	3681	3690	**410**
410	3699	3708	3717	3726	3735	3744	3753	3762	3771	3780	**420**
420	3789	3798	3807	3816	3825	3834	3843	3852	3861	3870	**430**
430	3879	3888	3897	3906	3915	3924	3933	3942	3951	3960	**440**
440	3969	3978	3987	3996	4005	4014	4023	4032	4041	4050	**450**
450	4059	4068	4077	4086	4095	4104	4113	4122	4131	4140	**460**
460	4149	4158	4167	4176	4185	4194	4203	4212	4221	4230	**470**
470	4239	4248	4257	4266	4275	4284	4293	4302	4311	4320	**480**
480	4329	4338	4347	4356	4365	4374	4383	4392	4401	4410	**490**
490	4419	4428	4437	4446	4455	4464	4473	4482	4491	4500	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x7
2x4
1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

$\frac{1}{2}\frac{x}{x}\frac{6}{3} = 20$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	10	20	30	40	50	60	70	80	90	100	**10**
10	110	120	130	140	150	160	170	180	190	200	**20**
20	210	220	230	240	250	260	270	280	290	300	**30**
30	310	320	330	340	350	360	370	380	390	400	**40**
40	410	420	430	440	450	460	470	480	490	500	**50**
50	510	520	530	540	550	560	570	580	590	600	**60**
60	610	620	630	640	650	660	670	680	690	700	**70**
70	710	720	730	740	750	760	770	780	790	800	**80**
80	810	820	830	840	850	860	870	880	890	900	**90**
90	910	920	930	940	950	960	970	980	990	1000	**100**
100	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	**110**
110	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	**120**
120	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	**130**
130	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	**140**
140	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	**150**
150	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	**160**
160	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	**170**
170	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	**180**
180	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	**190**
190	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	**200**
200	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	**210**
210	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	**220**
220	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	**230**
230	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	**240**
240	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	**250**
250	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	**260**
260	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	**270**
270	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	**280**
280	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	**290**
290	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	**300**
300	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	**310**
310	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	**320**
320	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	**330**
330	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	**340**
340	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	**350**
350	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	**360**
360	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	**370**
370	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	**380**
380	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	**390**
390	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	**400**
400	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	**410**
410	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	**420**
420	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	**430**
430	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	**440**
440	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	**450**
450	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	**460**
460	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	**470**
470	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	**480**
480	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	**490**
490	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
4 x30	- 1
5 x24	- 1
6 x20	- 1
7½x16	- 1
8 x15	- 1
10 x12	- 1
1 x60	- 2
2 x30	- 2
2½x24	- 2
3 x20	- 2
3¾x16	- 2
4 x15	- 2
5 x12	- 2
6 x10	- 2
7½x 8	- 2
½x80	- 3
1 x40	- 3
2 x20	- 3
2½x16	- 3
4 x10	- 3
5 x 8	- 3
½x60	- 4
1 x30	- 4
1¼x24	- 4
1½x20	- 4
2 x15	- 4
2½x12	- 4
3 x10	- 4
3¾x 8	- 4
4 x 7½	- 4
5 x 6	- 4
¼x96	- 5
½x48	- 5
1 x24	- 5
1½x16	- 5
2 x12	- 5
3 x 8	- 5
4 x 6	- 5
¼x80	- 6
½x40	- 6
1 x20	- 6
1¼x16	- 6
2 x10	- 6
2½x 8	- 6
4 x 5	- 6
¼x60	- 8
½x30	- 8
1 x15	- 8
1¼x12	- 8
1½x10	- 8
2 x 7½	- 8
2½x 6	- 8
3 x 5	- 8
3¾x 4	- 8
⅛x96	-10
¼x48	-10
½x24	-10
1 x12	-10
1½x 8	-10
2 x 6	-10
3 x 4	-10
⅛x80	-12
¼x40	-12
½x20	-12
1 x10	-12
1¼x 8	-12
2 x 5	-12
2½x 4	-12
⅛x64	-15
¼x32	-15
½x16	-15
1 x 8	-15
2 x 4	-15
⅛x60	-16
¼x30	-16
½x15	-16
1 x 7½	-16
1½x 5	-16
1¼x 6	-16
2 x 3¾	-16
2½x 3	-16
⅛x48	-20
¼x24	-20
½x12	-20
1 x 6	-20

Size Lth
1 x12 - 1
1¾x24 - 1
3 x14 - 1
3½x12 - 1
4 x10½- 1
5¼x 8 - 1
6 x 7 - 1
¼x84 - 2
½x42 - 2
1 x21 - 2
1½x14 - 2
1¾x12 - 2
2 x10½- 2
3 x 7 - 2
3½x 6 - 2
4 x 5¼- 2
¼x56 - 3
½x28 - 3
1 x14 - 3
1¾x 8 - 3
2 x 7 - 3
3½x 4 - 3
1 x10½- 4
1¾x32 - 1
2 x28 - 1
3½x16 - 1
4 x14 - 1
7 x 8 - 1
½x56 - 2
1 x28 - 2
1¾x16 - 2
2 x14 - 2
3½x 8 - 2
4 x 7 - 2
¼x56 - 4
½x28 - 4
1 x14 - 4
1¾x 8 - 4
2 x 7 - 4
3½x 4 - 4
⅛x64 - 7
1 x10 - 7
1¾x 8 - 7
2 x 5 - 7
2½x 4 - 7
1 x 8¾- 8
1¼x 7 - 8
1¾x 5 - 8
1 x 7 -10
1¾x 4 -10
2 x 3½-10
¼x20 -14
½x10 -14
1 x 5 -14
1¼x 4 -14
2 x 2½-14
1¼x 3½-16
1¾x 2½-16
1 x 3½-20
2 x42 - 1
4 x21 - 1
3 x28 - 1
5¼x16 - 1
6 x14 - 1
7 x12 - 1
8 x10½- 1
1 x42 - 2
1½x28 - 2
2 x21 - 2
3 x14 - 2
3½x12 - 2
4 x10½- 2
5¼x 8 - 2
6 x 7 - 2
½x56 - 3
1 x28 - 3
1¾x16 - 3
2 x14 - 3
3½x 8 - 3
4 x 7 - 3
1 x21 - 4
1¾x12 - 4

For Complete Table, See Page 25.

For Complete Table, See Page 22 for Shorter Lengths.

½ X 7 / 2 X 3½ = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	3½	7	10½	14	17½	21	24½	28	31½	35	10
10	38½	42	45½	49	52½	56	59½	63	66½	70	20
20	73½	77	80½	84	87½	91	94½	98	101½	105	30
30	108½	112	115½	119	122½	126	129½	133	136½	140	40
40	143½	147	150½	154	157½	161	164½	168	171½	175	50
50	178½	182	185½	189	192½	196	199½	203	206½	210	60
60	213½	217	220½	224	227½	231	234½	238	241½	245	70
70	248½	252	255½	259	262½	266	269½	273	276½	280	80
80	283½	287	290½	294	297½	301	304½	308	311½	315	90
90	318½	322	325½	329	332½	336	339½	343	346½	350	100

½ X 7 / 2 X 3½ = 8

	4⅜	9⅛	14	18⅜	23⅛	28	32⅜	37⅛	42	46⅜	10
10	51⅜	56	60⅜	65⅛	70	74⅜	79⅛	84	88⅜	93⅛	20
20	98	102⅜	107⅛	112	116⅜	121⅛	126	130⅜	135⅛	140	30
30	144⅜	149⅛	154	158⅜	163⅛	168	172⅜	177⅛	182	186⅜	40
40	191⅛	196	200⅜	205⅛	210	214⅜	219⅛	224	228⅜	233⅛	50
50	238	242⅜	247⅛	252	256⅜	261⅛	266	270⅜	275⅛	280	60
60	284⅜	289⅛	294	298⅜	303⅛	308	312⅜	317⅛	322	326⅜	70
70	331⅛	336	340⅜	345⅛	350	354⅜	359⅛	364	368⅜	373⅛	80
80	378	382⅜	387⅛	392	396⅜	401⅛	406	410⅜	415⅛	420	90
90	424⅜	429⅛	434	438⅜	443⅛	448	452⅜	457⅛	462	466⅜	100

½ X 7 / 2 X 3½ = 10

	5⅝	11⅜	17½	23⅛	29⅛	35	40⅝	46⅜	52½	58⅛	10
10	64⅛	70	75⅝	81⅜	87½	93⅛	99⅛	105	110⅝	116⅜	20
20	122½	128⅛	134⅛	140	145⅝	151⅜	157½	163⅛	169⅛	175	30
30	180⅝	186⅜	192½	198⅛	204⅛	210	215⅝	221⅜	227½	233⅛	40
40	239⅛	245	250⅝	256⅜	262½	268⅛	274⅛	280	285⅝	291⅜	50
50	297½	303⅛	309⅛	315	320⅝	326⅜	332½	338⅛	344⅛	350	60
60	355⅝	361⅜	367½	373⅛	379⅛	385	390⅝	396⅜	402½	408⅛	70
70	414⅛	420	425⅝	431⅜	437½	443⅛	449⅛	455	460⅝	466⅜	80
80	472½	478⅛	484⅛	490	495⅝	501⅜	507½	513⅛	519⅛	525	90
90	530⅝	536⅜	542½	548⅛	554⅛	560	565⅝	571⅜	577½	583⅛	100

½ X 7 / 2 X 3½ = 12

	7	14	21	28	35	42	49	56	63	70	10
10	77	84	91	98	105	112	119	126	133	140	20
20	147	154	161	168	175	182	189	196	203	210	30
30	217	224	231	238	245	252	259	266	273	280	40
40	287	294	301	308	315	322	329	336	343	350	50
50	357	364	371	378	385	392	399	406	413	420	60
60	427	434	441	448	455	462	469	476	483	490	70
70	497	504	511	518	525	532	539	546	553	560	80
80	567	574	581	588	595	602	609	616	623	630	90
90	637	644	651	658	665	672	679	686	693	700	100

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅓ annex 6⅔; for ⅛, annex 3½; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

1x7
2x4
1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 7, 2 x 3½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	8⅙	16⅓	24½	32⅔	40⅚	49	57⅙	65⅓	73½	81⅔	**10**
10	89⅚	98	106⅙	114⅓	122½	130⅔	138⅚	147	155⅙	163⅓	**20**
20	171½	179⅔	187⅚	196	204⅙	212⅓	220½	228⅔	236⅚	245	**30**
30	253⅙	261⅓	269½	277⅔	285⅚	294	302⅙	310⅓	318½	326⅔	**40**
40	334⅚	343	351⅙	359⅓	367½	375⅔	383⅚	392	400⅙	408⅓	**50**
50	416½	424⅔	432⅚	441	449⅙	457⅓	465½	473⅔	481⅚	490	**60**
60	498⅙	506⅓	514½	522⅔	530⅚	539	547⅙	555⅓	563½	571⅔	**70**
70	579⅚	588	596⅙	604⅓	612½	620⅔	628⅚	637	645⅙	653⅓	**80**
80	661½	669⅔	677⅚	686	694⅙	702⅓	710½	718⅔	726⅚	735	**90**
90	743⅙	751⅓	759½	767⅔	775⅚	784	792⅙	800⅓	808½	816⅔	**100**

1 x 7, 2 x 3½ = 16

	9⅓	18⅔	28	37⅓	46⅔	56	65⅓	74⅔	84	93⅓	**10**
10	102⅔	112	121⅓	130⅔	140	149⅓	158⅔	168	177⅓	186⅔	**20**
20	196	205⅓	214⅔	224	233⅓	242⅔	252	261⅓	270⅔	280	**30**
30	289⅓	298⅔	308	317⅓	326⅔	336	345⅓	354⅔	364	373⅓	**40**
40	382⅔	392	401⅓	410⅔	420	429⅓	438⅔	448	457⅓	466⅔	**50**
50	476	485⅓	494⅔	504	513⅓	522⅔	532	541⅓	550⅔	560	**60**
60	569⅓	578⅔	588	597⅓	606⅔	616	625⅓	634⅔	644	653⅓	**70**
70	662⅔	672	681⅓	690⅔	700	709⅓	718⅔	728	737⅓	746⅔	**80**
80	756	765⅓	774⅔	784	793⅓	802⅔	812	821⅓	830⅔	840	**90**
90	849⅓	858⅔	868	877⅓	886⅔	896	905⅓	914⅔	924	933⅓	**100**

1 x 7, 2 x 3½ = 18

	10½	21	31½	42	52½	63	73½	84	94½	105	**10**
10	115½	126	136½	147	157½	168	178½	189	199½	210	**20**
20	220½	231	241½	252	262½	273	283½	294	304½	315	**30**
30	325½	336	346½	357	367½	378	388½	399	409½	420	**40**
40	430½	441	451½	462	472½	483	493½	504	514½	525	**50**
50	535½	546	556½	567	577½	588	598½	609	619½	630	**60**
60	640½	651	661½	672	682½	693	703½	714	724½	735	**70**
70	745½	756	766½	777	787½	798	808½	819	829½	840	**80**
80	850½	861	871½	882	892½	903	913½	924	934½	945	**90**
90	955½	966	976½	987	997½	1008	1018½	1029	1039½	1050	**100**

1 x 7, 2 x 3½ = 20

	11⅔	23⅓	35	46⅔	58⅓	70	81⅔	93⅓	105	116⅔	**10**
10	128⅓	140	151⅔	163⅓	175	186⅔	198⅓	210	221⅔	233⅓	**20**
20	245	256⅔	268⅓	280	291⅔	303⅓	315	326⅔	338⅓	350	**30**
30	361⅔	373⅓	385	396⅔	408⅓	420	431⅔	443⅓	455	466⅔	**40**
40	478⅓	490	501⅔	513⅓	525	536⅔	548⅓	560	571⅔	583⅓	**50**
50	595	606⅔	618⅓	630	641⅔	653⅓	665	676⅔	688⅓	700	**60**
60	711⅔	723⅓	735	746⅔	758⅓	770	781⅔	793⅓	805	816⅔	**70**
70	828⅓	840	851⅔	863⅓	875	886⅔	898⅓	910	921⅔	933⅓	**80**
80	945	956⅔	968⅓	980	991⅔	1003⅓	1015	1026⅔	1038⅓	1050	**90**
90	1061⅔	1073⅓	1085	1096⅔	1108⅓	1120	1131⅔	1143⅓	1155	1166⅔	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 201 for other sizes above tables give answers for.

Size	Lth
7 x14	1
8 x12¼	1
3½x14	2
4 x12¼	2
7 x 7	2
1¾x14	4
2 x12¼	4
3½x 7	4
1 x14	7
1¾x 8	7
2 x 7	7
1 x12¼	8
1¾x 7	8
3½x 3½	8
¼x28	14
½x14	14
1 x 7	14
1¾x 4	14
2 x 3½	14

Size	Lth
2 x56	1
4 x28	1
7 x16	1
8 x14	1
1 x56	2
1¾x32	2
2 x28	2
3½x16	2
4 x14	2
5¾x 9¾	2
7 x 8	2
½x56	4
1 x28	4
1¾x16	4
2 x14	4
4 x 7	4
¼x64	7
½x32	7

For Complete Table, See Page 34.

Size	Lth
5¼x24	1
6 x21	1
7 x18	1
9 x14	1
10½x12	1
3 x21	2
4½x14	2
5¼x12	2
6 x10½	2
7 x 9	2
1½x28	3
1¾x24	3
2 x21	3
3 x14	3
3½x12	3
4 x10½	3
5¼x 8	3
6 x 7	3

See Also Page 39. Table No. 1.

Size	Lth
5 x28	1
7 x20	1
10 x14	1
2½x28	2
3½x20	2
5 x14	2
7 x10	2
8 x 8¾	2
1¾x20	4
2½x14	4
3½x10	4
4 x 8¾	4
5 x 7	4
½x56	5
1 x28	5
2 x14	5
3½x 8	5
4 x 7	5
¼x80	7
½x40	7
1 x20	7
1¼x16	7
2 x10	7
2½x 8	7

For Complete Table, See Page 42.

Size	Lth
1 x64	- 1
2 x32	- 1
4 x16	- 1
8 x 8	- 1
½x64	- 2
1 x32	- 2
2 x16	- 2
4 x 8	- 2
¼x64	- 4
½x32	- 4
1 x16	- 4
2 x 8	- 4
4 x 4	- 4
⅛x64	- 8
¼x32	- 8
½x16	- 8
1 x 8	- 8
2 x 4	- 8
⅛x32	-16
¼x16	-16
½x 8	-16
1 x 4	-16
2 x 2	-16

½ x 8 / 2 x 4 = 8

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	
	5⅓	10⅔	16	21⅓	26⅔	32	37⅓	42⅔	48	53⅓	**10**
10	58⅔	64	69⅓	74⅔	80	85⅓	90⅔	96	101⅓	106⅔	**20**
20	112	117⅓	122⅔	128	133⅓	138⅔	144	149⅓	154⅔	160	**30**
30	165⅓	170⅔	176	181⅓	186⅔	192	197⅓	202⅔	208	213⅓	**40**
40	218⅔	224	229⅓	234⅔	240	245⅓	250⅔	256	261⅓	266⅔	**50**
50	272	277⅓	282⅔	288	293⅓	298⅔	304	309⅓	314⅔	320	**60**
60	325⅓	330⅔	336	341⅓	346⅔	352	357⅓	362⅔	368	373⅓	**70**
70	378⅔	384	389⅓	394⅔	400	405⅓	410⅔	416	421⅓	426⅔	**80**
80	432	437⅓	442⅔	448	453⅓	458⅔	464	469⅓	474⅔	480	**90**
90	485⅓	490⅔	496	501⅓	506⅔	512	517⅓	522⅔	528	533⅓	**100**
100	538⅔	544	549⅓	554⅔	560	565⅓	570⅔	576	581⅓	586⅔	**110**
110	592	597⅓	602⅔	608	613⅓	618⅔	624	629⅓	634⅔	640	**120**
120	645⅓	650⅔	656	661⅓	666⅔	672	677¼	682⅔	688	693⅓	**130**
130	698⅔	704	709⅓	714⅔	720	725⅓	730⅔	736	741⅓	746⅔	**140**
140	752	757⅓	762⅔	768	773⅓	778⅔	784	789⅓	794⅔	800	**150**
150	805⅓	810⅔	816	821⅓	826⅔	832	837⅓	842⅔	848	853⅓	**160**
160	858⅔	864	869⅓	874⅔	880	885⅓	890⅔	896	901⅓	906⅔	**170**
170	912	917⅓	922⅔	928	933⅓	938⅔	944	949⅓	954⅔	960	**180**
180	965⅓	970⅔	976	981⅓	986⅔	992	997⅓	1002⅔	1008	1013⅓	**190**
190	1018⅔	1024	1029⅓	1034⅔	1040	1045⅓	1050⅔	1056	1061⅓	1066⅔	**200**
200	1072	1077⅓	1082⅔	1088	1093⅓	1098⅔	1104	1109⅓	1114⅔	1120	**210**
210	1125⅓	1130⅔	1136	1141⅓	1146⅔	1152	1157⅓	1162⅔	1168	1173⅓	**220**
220	1178⅔	1184	1189⅓	1194⅔	1200	1205⅓	1210⅔	1216	1221⅓	1226⅔	**230**
230	1232	1237⅓	1242⅔	1248	1253⅓	1258⅔	1264	1269⅓	1274⅔	1280	**240**
240	1285⅓	1290⅔	1296	1301⅓	1306⅔	1312	1317⅓	1322⅔	1328	1333⅓	**250**
250	1338⅔	1344	1349⅓	1354⅔	1360	1365⅓	1370⅔	1376	1381⅓	1386⅔	**260**
260	1392	1397⅓	1402⅔	1408	1413⅓	1418⅔	1424	1429⅓	1434⅔	1440	**270**
270	1445⅓	1450⅔	1456	1461⅓	1466⅔	1472	1477⅓	1482⅔	1488	1493⅓	**280**
280	1498⅔	1504	1509⅓	1514⅔	1520	1525⅓	1530⅔	1536	1541⅓	1546⅔	**290**
290	1552	1557⅓	1562⅔	1568	1573⅓	1578⅔	1584	1589⅓	1594⅔	1600	**300**
300	1605⅓	1610⅔	1616	1621⅓	1626⅔	1632	1637⅓	1642⅔	1648	1653⅓	**310**
310	1658⅔	1664	1669⅓	1674⅔	1680	1685⅓	1690⅔	1696	1701⅓	1706⅔	**320**
320	1712	1717⅓	1722⅔	1728	1733⅓	1738⅔	1744	1749⅓	1754⅔	1760	**330**
330	1765⅓	1770⅔	1776	1781⅓	1786⅔	1792	1797⅓	1802⅔	1808	1813⅓	**340**
340	1818⅔	1824	1829⅓	1834⅔	1840	1845⅓	1850⅔	1856	1861⅓	1866⅔	**350**
350	1872	1877⅓	1882⅔	1888	1893⅓	1898⅔	1904	1909⅓	1914⅔	1920	**360**
360	1925⅓	1930⅔	1936	1941⅓	1946⅔	1952	1957⅓	1962⅔	1968	1973⅓	**370**
370	1978⅔	1984	1989⅓	1994⅔	2000	2005⅓	2010⅔	2016	2021⅓	2026⅔	**380**
380	2032	2037⅓	2042⅔	2048	2053⅓	2058⅔	2064	2069⅓	2074⅔	2080	**390**
390	2085⅓	2090⅔	2096	2101⅓	2106⅔	2112	2117⅓	2122⅔	2128	2133⅓	**400**
400	2138⅔	2144	2149⅓	2154⅔	2160	2165⅓	2170⅔	2176	2181⅓	2186⅔	**410**
410	2192	2197⅓	2202⅔	2208	2213⅓	2218⅔	2224	2229⅓	2234⅔	2240	**420**
420	2245⅓	2250⅔	2256	2261⅓	2266⅔	2272	2277⅓	2282⅔	2288	2293⅓	**430**
430	2298⅔	2304	2309⅓	2314⅔	2320	2325⅓	2330⅔	2336	2341⅓	2346⅔	**440**
440	2352	2357⅓	2362⅔	2368	2373⅓	2378⅔	2384	2389⅓	2394⅔	2400	**450**
450	2405⅓	2410⅔	2416	2421⅓	2426⅔	2432	2437⅓	2442⅔	2448	2453⅓	**460**
460	2458⅔	2464	2469⅓	2474⅔	2480	2485⅓	2490⅔	2496	2501⅓	2506⅔	**470**
470	2512	2517⅓	2522⅔	2528	2533⅓	2538⅔	2544	2549⅓	2554⅔	2560	**480**
480	2565⅓	2570⅔	2576	2581⅓	2586⅔	2592	2597⅓	2602⅔	2608	2613⅓	**490**
490	2618⅔	2624	2629⅓	2634⅔	2640	2645⅓	2650⅔	2656	2661⅓	2666⅔	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4

2x4
1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x2?
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

$\frac{1 \times 8}{2 \times 4} = 10$

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	6⅔	13⅓	20	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	**10**
10	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓	**20**
20	140	146⅔	153⅓	160	166⅔	173⅓	180	186⅔	193⅓	200	**30**
30	206⅔	213⅓	220	226⅔	233⅓	240	246⅔	253⅓	260	266⅔	**40**
40	273⅓	280	286⅔	293⅓	300	306⅔	313⅓	320	326⅔	333⅓	**50**
50	340	346⅔	353⅓	360	366⅔	373⅓	380	386⅔	393⅓	400	**60**
60	406⅔	413⅓	420	426⅔	433⅓	440	446⅔	453⅓	460	466⅔	**70**
70	473⅓	480	486⅔	493⅓	500	506⅔	513⅓	520	526⅔	533⅓	**80**
80	540	546⅔	553⅓	560	566⅔	573⅓	580	586⅔	593⅓	600	**90**
90	606⅔	613⅓	620	626⅔	633⅓	640	646⅔	653⅓	660	666⅔	**100**
100	673⅓	680	686⅔	693⅓	700	706⅔	713⅓	720	726⅔	733⅓	**110**
110	740	746⅔	753⅓	760	766⅔	773⅓	780	786⅔	793⅓	800	**120**
120	806⅔	813⅓	820	826⅔	833⅓	840	846⅔	853⅓	860	866⅔	**130**
130	873⅓	880	886⅔	893⅓	900	906⅔	913⅓	920	926⅔	933⅓	**140**
140	940	946⅔	953⅓	960	966⅔	973⅓	980	986⅔	993⅓	1000	**150**
150	1006⅔	1013⅓	1020	1026⅔	1033⅓	1040	1046⅔	1053⅓	1060	1066⅔	**160**
160	1073⅓	1080	1086⅔	1093⅓	1100	1106⅔	1113⅓	1120	1126⅔	1133⅓	**170**
170	1140	1146⅔	1153⅓	1160	1166⅔	1173⅓	1180	1186⅔	1193⅓	1200	**180**
180	1206⅔	1213⅓	1220	1226⅔	1233⅓	1240	1246⅔	1253⅓	1260	1266⅔	**190**
190	1273⅓	1280	1286⅔	1293⅓	1300	1306⅔	1313⅓	1320	1326⅔	1333⅓	**200**
200	1340	1346⅔	1353⅓	1360	1366⅔	1373⅓	1380	1386⅔	1393⅓	1400	**210**
210	1406⅔	1413⅓	1420	1426⅔	1433⅓	1440	1446⅔	1453⅓	1460	1466⅔	**220**
220	1473⅓	1480	1486⅔	1493⅓	1500	1506⅔	1513⅓	1520	1526⅔	1533⅓	**230**
230	1540	1546⅔	1553⅓	1560	1566⅔	1573⅓	1580	1586⅔	1593⅓	1600	**240**
240	1606⅔	1613⅓	1620	1626⅔	1633⅓	1640	1646⅔	1653⅓	1660	1666⅔	**250**
250	1673⅓	1680	1686⅔	1693⅓	1700	1706⅔	1713⅓	1720	1726⅔	1733⅓	**260**
260	1740	1746⅔	1753⅓	1760	1766⅔	1773⅓	1780	1786⅔	1793⅓	1800	**270**
270	1806⅔	1813⅓	1820	1826⅔	1833⅓	1840	1846⅔	1853⅓	1860	1866⅔	**280**
280	1873⅓	1880	1886⅔	1893⅓	1900	1906⅔	1913⅓	1920	1926⅔	1933⅓	**290**
290	1940	1946⅔	1953⅓	1960	1966⅔	1973⅓	1980	1986⅔	1993⅓	2000	**300**
300	2006⅔	2013⅓	2020	2026⅔	2033⅓	2040	2046⅔	2053⅓	2060	2066⅔	**310**
310	2073⅓	2080	2086⅔	2093⅓	2100	2106⅔	2113⅓	2120	2126⅔	2133⅓	**320**
320	2140	2146⅔	2153⅓	2160	2166⅔	2173⅓	2180	2186⅔	2193⅓	2200	**330**
330	2206⅔	2213⅓	2220	2226⅔	2233⅓	2240	2246⅔	2253⅓	2260	2266⅔	**340**
340	2273⅓	2280	2286⅔	2293⅓	2300	2306⅔	2313⅓	2320	2326⅔	2333⅓	**350**
350	2340	2346⅔	2353⅓	2360	2366⅔	2373⅓	2380	2386⅔	2393⅓	2400	**360**
360	2406⅔	2413⅓	2420	2426⅔	2433⅓	2440	2446⅔	2453⅓	2460	2466⅔	**370**
370	2473⅓	2480	2486⅔	2493⅓	2500	2506⅔	2513⅓	2520	2526⅔	2533⅓	**380**
380	2540	2546⅔	2553⅓	2560	2566⅔	2573⅓	2580	2586⅔	2593⅓	2600	**390**
390	2606⅔	2613⅓	2620	2626⅔	2633⅓	2640	2646⅔	2653⅓	2660	2666⅔	**400**
400	2673⅓	2680	2686⅔	2693⅔	2700	2706⅔	2713⅓	2720	2726⅔	2733⅓	**410**
410	2740	2746⅔	2753⅓	2760	2766⅔	2773⅓	2780	2786⅔	2793⅓	2800	**420**
420	2806⅔	2813⅓	2820	2826⅔	2833⅓	2840	2846⅔	2853⅓	2860	2866⅔	**430**
430	2873⅓	2880	2886⅔	2893⅓	2900	2906⅔	2913⅓	2920	2926⅔	2933⅓	**440**
440	2940	2946⅔	2953⅓	2960	2966⅔	2973⅓	2980	2986⅔	2993⅓	3000	**450**
450	3006⅔	3013⅓	3020	3026⅔	3033⅓	3040	3046⅔	3053⅓	3060	3066⅔	**460**
460	3073⅓	3080	3086⅔	3093⅓	3100	3106⅔	3113⅓	3120	3126⅔	3133⅓	**470**
470	3140	3146⅔	3153⅓	3160	3166⅔	3173⅓	3180	3186⅔	3193⅓	3200	**480**
480	3206⅔	3213⅓	3220	3226⅔	3233⅓	3240	3246⅔	3253⅓	3260	3266⅔	**490**
490	3273⅓	3280	3286⅔	3293⅓	3300	3306⅔	3313⅓	3320	3326⅔	3333⅓	**500**

Size	Lth
2½x32	- 1
4 x20	- 1
5 x16	- 1
8 x10	- 1
½x80	- 2
1 x40	- 2
2 x20	- 2
4 x10	- 2
5 x 8	- 2
¼x80	- 4
½x40	- 4
1 x20	- 4
2 x10	- 4
2½x 8	- 4
4 x 5	- 4
¼x64	- 5
½x32	- 5
1 x16	- 5
2 x 8	- 5
4 x 4	- 5
⅛x80	- 8
¼x40	- 8
½x20	- 8
1 x10	- 8
1¼x 8	- 8
2 x 5	- 8
2½x 4	- 8
⅛x64	-10
¼x32	-10
½x16	-10
1 x 8	-10
2 x 4	-10
⅛x40	-16
¼x20	-16
½x10	-16
1 x 5	-16
1¼x 4	-16
2 x 2½	-16
⅛x32	-20
¼x16	-20
½x 8	-20
1 x 4	-20
2 x 2	-20

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
1 x96	- 1
2 x48	- 1
4 x24	- 1
6 x16	- 1
8 x12	- 1
½x96	- 2
1 x48	- 2
1½x32	- 2
2 x24	- 2
3 x16	- 2
4 x12	- 2
6 x 8	- 2
½x64	- 3
1 x32	- 3
2 x16	- 3
4 x 8	- 3
¼x96	- 4
½x48	- 4
1 x24	- 4
1½x16	- 4
2 x12	- 4
3 x 8	- 4
4 x 6	- 4
¼x64	- 6
½x32	- 6
1 x16	- 6
2 x 8	- 6
4 x 4	- 6
⅛x96	- 8
¼x48	- 8
½x24	- 8
1 x12	- 8
1½x 8	- 8
2 x 6	- 8
3 x 4	- 8
⅛x64	-12
¼x32	-12
½x16	-12
1 x 8	-12
2 x 4	-12
⅛x48	-16
¼x24	-16
½x12	-16
1 x 6	-16
1½x 4	-16
2 x 3	-16
⅛x32	-24
¼x16	-24
½x 8	-24
1 x 4	-24
2 x 2	-24

1 x 8 / 2 x 4 = 12

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet	10 Pieces Feet.	
	8	16	24	32	40	48	56	64	72	80	**10**
10	88	96	104	112	120	128	136	144	152	160	**20**
20	168	176	184	192	200	208	216	224	232	240	**30**
30	248	256	264	272	280	288	296	304	312	320	**40**
40	328	336	344	352	360	368	376	384	392	400	**50**
50	408	416	424	432	440	448	456	464	472	480	**60**
60	488	496	504	512	520	528	536	544	552	560	**70**
70	568	576	584	592	600	608	616	624	632	640	**80**
80	648	656	664	672	680	688	696	704	712	720	**90**
90	728	736	744	752	760	768	776	784	792	800	**100**
100	808	816	824	832	840	848	856	864	872	880	**110**
110	888	896	904	912	920	928	936	944	952	960	**120**
120	968	976	984	992	1000	1008	1016	1024	1032	1040	**130**
130	1048	1056	1064	1072	1080	1088	1096	1104	1112	1120	**140**
140	1128	1136	1144	1152	1160	1168	1176	1184	1192	1200	**150**
150	1208	1216	1224	1232	1240	1248	1256	1264	1272	1280	**160**
160	1288	1296	1304	1312	1320	1328	1336	1344	1352	1360	**170**
170	1368	1376	1384	1392	1400	1408	1416	1424	1432	1440	**180**
180	1448	1456	1464	1472	1480	1488	1496	1504	1512	1520	**190**
190	1528	1536	1544	1552	1560	1568	1576	1584	1592	1600	**200**
200	1608	1616	1624	1632	1640	1648	1656	1664	1672	1680	**210**
210	1688	1696	1704	1712	1720	1728	1736	1744	1752	1760	**220**
220	1768	1776	1784	1792	1800	1808	1816	1824	1832	1840	**230**
230	1848	1856	1864	1872	1880	1888	1896	1904	1912	1920	**240**
240	1928	1936	1944	1952	1960	1968	1976	1984	1992	2000	**250**
250	2008	2016	2024	2032	2040	2048	2056	2064	2072	2080	**260**
260	2088	2096	2104	2112	2120	2128	2136	2144	2152	2160	**270**
270	2168	2176	2184	2192	2200	2208	2216	2224	2232	2240	**280**
280	2248	2256	2264	2272	2280	2288	2296	2304	2312	2320	**290**
290	2328	2336	2344	2352	2360	2368	2376	2384	2392	2400	**300**
300	2408	2416	2424	2432	2440	2448	2456	2464	2472	2480	**310**
310	2488	2496	2504	2512	2520	2528	2536	2544	2552	2560	**320**
320	2568	2576	2584	2592	2600	2608	2616	2624	2632	2640	**330**
330	2648	2656	2664	2672	2680	2688	2696	2704	2712	2720	**340**
340	2728	2736	2744	2752	2760	2768	2776	2784	2792	2800	**350**
350	2808	2816	2824	2832	2840	2848	2856	2864	2872	2880	**360**
360	2888	2896	2904	2912	2920	2928	2936	2944	2952	2960	**370**
370	2968	2976	2984	2992	3000	3008	3016	3024	3032	3040	**380**
380	3048	3056	3064	3072	3080	3088	3096	3104	3112	3120	**390**
390	3128	3136	3144	3152	3160	3168	3176	3184	3192	3200	**400**
400	3208	3216	3224	3232	3240	3248	3256	3264	3272	3280	**410**
410	3288	3296	3304	3312	3320	3328	3336	3344	3352	3360	**420**
420	3368	3376	3384	3392	3400	3408	3416	3424	3432	3440	**430**
430	3448	3456	3464	3472	3480	3488	3496	3504	3512	3520	**440**
440	3528	3536	3544	3552	3560	3568	3576	3584	3592	3600	**450**
450	3608	3616	3624	3632	3640	3648	3656	3664	3672	3680	**460**
460	3688	3696	3704	3712	3720	3728	3736	3744	3752	3760	**470**
470	3768	3776	3784	3792	3800	3808	3816	3824	3832	3840	**480**
480	3848	3856	3864	3872	3880	3888	3896	3904	3912	3920	**490**
490	3928	3936	3944	3952	3960	3968	3976	3984	3992	4000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 8 / 2 x 4 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	
	9⅓	18⅔	28	37⅓	46⅔	56	65⅓	74⅔	84	93⅓	10
10	102⅔	112	121⅓	130⅔	140	149⅓	158⅔	168	177⅓	186⅔	20
20	196	205⅓	214⅔	224	233⅓	242⅔	252	261⅓	270⅔	280	30
30	289⅓	298⅔	308	317⅓	326⅔	336	345⅓	354⅔	364	373⅓	40
40	382⅔	392	401⅓	410⅔	420	429⅓	438⅔	448	457⅓	466⅔	50
50	476	485⅓	494⅔	504	513⅓	522⅔	532	541⅓	550⅔	560	60
60	569⅓	578⅔	588	597⅓	606⅔	616	625⅓	634⅔	644	653⅓	70
70	662⅔	672	681⅓	690⅔	700	709⅓	718⅔	728	737⅓	746⅔	80
80	756	765⅓	774⅔	784	793⅓	802⅔	812	821⅓	830⅔	840	90
90	849⅓	858⅔	868	877⅓	886⅔	896	905⅓	914⅔	924	933⅓	100
100	942⅔	952	961⅓	970⅔	980	989⅓	998⅔	1008	1017⅓	1026⅔	110
110	1036	1045⅓	1054⅔	1064	1073⅓	1082⅔	1092	1101⅓	1110⅔	1120	120
120	1129⅓	1138⅔	1148	1157⅓	1166⅔	1176	1185⅓	1194⅔	1204	1213⅓	130
130	1222⅔	1232	1241⅓	1250⅔	1260	1269⅓	1278⅔	1288	1297⅓	1306⅔	140
140	1316	1325⅓	1334⅔	1344	1353⅓	1362⅔	1372	1381⅓	1390⅔	1400	150
150	1409⅓	1418⅔	1428	1437⅓	1446⅔	1456	1465⅓	1474⅔	1484	1493⅓	160
160	1502⅔	1512	1521⅓	1530⅔	1540	1549⅓	1558⅔	1568	1577⅓	1586⅔	170
170	1596	1605⅓	1614⅔	1624	1633⅓	1642⅔	1652	1661⅓	1670⅔	1680	180
180	1689⅓	1698⅔	1708	1717⅓	1726⅔	1736	1745⅓	1754⅔	1764	1773⅓	190
190	1782⅔	1792	1801⅓	1810⅔	1820	1829⅓	1838⅔	1848	1857⅓	1866⅔	200
200	1876	1885⅓	1894⅔	1904	1913⅓	1922⅔	1932	1941⅓	1950⅔	1960	210
210	1969⅓	1978⅔	1988	1997⅓	2006⅔	2016	2025⅓	2034⅔	2044	2053⅓	220
220	2062⅔	2072	2081⅓	2090⅔	2100	2109⅓	2118⅔	2128	2137⅓	2146⅔	230
230	2156	2165⅓	2174⅔	2184	2193⅓	2202⅔	2212	2221⅓	2230⅔	2240	240
240	2249⅓	2258⅔	2268	2277⅓	2286⅔	2296	2305⅓	2314⅔	2324	2333⅓	250
250	2342⅔	2352	2361⅓	2370⅔	2380	2389⅓	2398⅔	2408	2417⅓	2426⅔	260
260	2436	2445⅓	2454⅔	2464	2473⅓	2482⅔	2492	2501⅓	2510⅔	2520	270
270	2529⅓	2538⅔	2548	2557⅓	2566⅔	2576	2585⅓	2594⅔	2604	2613⅓	280
280	2622⅔	2632	2641⅓	2650⅔	2660	2669⅓	2678⅔	2688	2697⅓	2706⅔	290
290	2716	2725⅓	2734⅔	2744	2753⅓	2762⅔	2772	2781⅓	2790⅔	2800	300
300	2809⅓	2818⅔	2828	2837⅓	2846⅔	2856	2865⅓	2874⅔	2884	2893⅓	310
310	2902⅔	2912	2921⅓	2930⅔	2940	2949⅓	2958⅔	2968	2977⅓	2986⅔	320
320	2996	3005⅓	3014⅔	3024	3033⅓	3042⅔	3052	3061⅓	3070⅔	3080	330
330	3089⅓	3093⅔	3108	3117⅓	3126⅔	3136	3145⅓	3154⅔	3164	3173⅓	340
340	3182⅔	3192	3201⅓	3210⅔	3220	3229⅓	3238⅔	3248	3257⅓	3266⅔	350
350	3276	3285⅓	3294⅔	3304	3313⅓	3322⅔	3332	3341⅓	3350⅔	3360	360
360	3369⅓	3378⅔	3388	3397⅓	3406⅔	3416	3425⅓	3434⅔	3444	3453⅓	370
370	3462⅔	3472	3481⅓	3490⅔	3500	3509⅓	3518⅔	3528	3537⅓	3546⅔	380
380	3556	3565⅓	3574⅔	3584	3593⅓	3602⅔	3612	3621⅓	3630⅔	3640	390
390	3649⅓	3658⅔	3668	3677⅓	3686⅔	3696	3705⅓	3714⅔	3724	3733⅓	400
400	3742⅔	3752	3761⅓	3770⅔	3780	3789⅓	3798⅔	3808	3817⅓	3826⅔	410
410	3836	3845⅓	3854⅔	3864	3873⅓	3882⅔	3892	3901⅓	3910⅔	3920	420
420	3929⅓	3938⅔	3948	3957⅓	3966⅔	3976	3985⅓	3994⅔	4004	4013⅓	430
430	4022⅔	4032	4041⅓	4050⅔	4060	4069⅓	4078⅔	4088	4097⅓	4106⅔	440
440	4116	4125⅓	4134⅔	4144	4153⅓	4162⅔	4172	4181⅓	4190⅔	4200	450
450	4209⅓	4218⅔	4228	4237⅓	4246⅔	4256	4265⅓	4274⅔	4284	4293⅓	460
460	4302⅔	4312	4321⅓	4330⅔	4340	4349⅓	4358⅔	4368	4377⅓	4386⅔	470
470	4396	4405⅓	4414⅔	4424	4433⅓	4442⅔	4452	4461⅓	4470⅔	4480	480
480	4489⅓	4498⅔	4508	4517⅓	4526⅔	4536	4545⅓	4554⅔	4564	4573⅓	490
490	4582⅔	4592	4601⅓	4610⅔	4620	4629⅓	4638⅔	4648	4657⅓	4666⅔	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
2 x56	- 1
4 x28	- 1
7 x16	- 1
8 x14	- 1
1 x56	- 2
1¾ x32	- 2
2 x28	- 2
3½ x16	- 2
4 x14	- 2
7 x 8	- 2
½ x56	- 4
1 x28	- 4
1¾ x16	- 4
2 x14	- 4
4 x 7	- 4
¼ x64	- 7
½ x32	- 7
1 x16	- 7
2 x 8	- 7
4 x 4	- 7
¼ x56	- 8
½ x28	- 8
1 x14	- 8
1¾ x 8	- 8
2 x 7	- 8
⅛ x64	-14
¼ x32	-14
½ x16	-14
1 x 8	-14
2 x 4	-14
⅛ x56	-16
¼ x28	-16
½ x14	-16
1 x 7	-16
1¾ x 4	-16
2 x 3½	-16
⅛ x32	-28
¼ x16	-28
½ x 8	-28
1 x 4	-28
2 x 2	-28

Size	Lth
8 x16	- 1
1 x64	- 2
2 x32	- 2
4 x16	- 2
8 x 8	- 2
½x64	- 4
1 x32	- 4
2 x16	- 4
4 x 8	- 4
¼x64	- 8
½x32	- 8
1 x16	- 8
2 x 8	- 8
4 x 4	- 8
⅛x64	-16
¼x32	-16
½x16	-16
1 x 8	-16
2 x 4	-16
⅛x32	-32
¼x16	-32
½x 8	-32
1 x 4	-32
2 x 2	-32

½ x 8 / 2 x 4 = 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	
	10⅔	21⅓	32	42⅔	53⅓	64	74⅔	85⅓	96	106⅔	10
10	117⅓	128	138⅔	149⅓	160	170⅔	181⅓	192	202⅔	213⅓	20
20	224	234⅔	245⅓	256	266⅔	277⅓	288	298⅔	309⅓	320	30
30	330⅔	341⅓	352	362⅔	373⅓	384	394⅔	405⅓	416	426⅔	40
40	437⅓	448	458⅔	469⅓	480	490⅔	501⅓	512	522⅔	533⅓	50
50	544	554⅔	565⅓	576	586⅔	597⅓	608	618⅔	629⅓	640	60
60	650⅔	661⅓	672	682⅔	693⅓	704	714⅔	725⅓	736	746⅔	70
70	757⅓	768	778⅔	789⅓	800	810⅔	821⅓	832	842⅔	853⅓	80
80	864	874⅔	885⅓	896	906⅔	917⅓	928	938⅔	949⅓	960	90
90	970⅔	981⅓	992	1002⅔	1013⅓	1024	1034⅔	1045⅓	1056	1066⅔	100
100	1077⅓	1088	1098⅔	1109⅓	1120	1130⅔	1141⅓	1152	1162⅔	1173⅓	110
110	1184	1194⅔	1205⅓	1216	1226⅔	1237⅓	1248	1258⅔	1269⅓	1280	120
120	1290⅔	1301⅓	1312	1322⅔	1333⅓	1344	1354⅔	1365⅓	1376	1386⅔	130
130	1397⅓	1408	1418⅔	1429⅓	1440	1450⅔	1461⅓	1472	1482⅔	1493⅓	140
140	1504	1514⅔	1525⅓	1536	1546⅔	1557⅓	1568	1578⅔	1589⅓	1600	150
150	1610⅔	1621⅓	1632	1642⅔	1653⅓	1664	1674⅔	1685⅓	1696	1706⅔	160
160	1717⅓	1728	1738⅔	1749⅓	1760	1770⅔	1781⅓	1792	1802⅔	1813⅓	170
170	1824	1834⅔	1845⅓	1856	1866⅔	1877⅓	1888	1898⅔	1909⅓	1920	180
180	1930⅔	1941⅓	1952	1962⅔	1973⅓	1984	1994⅔	2005⅓	2016	2026⅔	190
190	2037⅓	2048	2058⅔	2069⅓	2080	2090⅔	2101⅓	2112	2122⅔	2133⅓	200
200	2144	2154⅔	2165⅓	2176	2186⅔	2197⅓	2208	2218⅔	2229⅓	2240	210
210	2250⅔	2261⅓	2272	2282⅔	2293⅓	2304	2314⅔	2325⅓	2336	2346⅔	220
220	2357⅓	2368	2378⅔	2389⅓	2400	2410⅔	2421⅓	2432	2442⅔	2453⅓	230
230	2464	2474⅔	2485⅓	2496	2506⅔	2517⅓	2528	2538⅔	2549⅓	2560	240
240	2570⅔	2581⅓	2592	2602⅔	2613⅓	2624	2634⅔	2645⅓	2656	2666⅔	250
250	2677⅓	2688	2698⅔	2709⅓	2720	2730⅔	2741⅓	2752	2762⅔	2773⅓	260
260	2784	2794⅔	2805⅓	2816	2826⅔	2837⅓	2848	2858⅔	2869⅓	2880	270
270	2890⅔	2901⅓	2912	2922⅔	2933⅓	2944	2954⅔	2965⅓	2976	2986⅔	280
280	2997⅓	3008	3018⅔	3029⅓	3040	3050⅔	3061⅓	3072	3082⅔	3093⅓	290
290	3104	3114⅔	3125⅓	3136	3146⅔	3157⅓	3168	3178⅔	3189⅓	3200	300
300	3210⅔	3221⅓	3232	3242⅔	3253⅓	3264	3274⅔	3285⅓	3296	3306⅔	310
310	3317⅓	3328	3338⅔	3349⅓	3360	3370⅔	3381⅓	3392	3402⅔	3413⅓	320
320	3424	3434⅔	3445⅓	3456	3466⅔	3477⅓	3488	3498⅔	3509⅓	3520	330
330	3530⅔	3541⅓	3552	3562⅔	3573⅓	3584	3594⅔	3605⅓	3616	3626⅔	340
340	3637⅓	3648	3658⅔	3669⅓	3680	3690⅔	3701⅓	3712	3722⅔	3733⅓	350
350	3744	3754⅔	3765⅓	3776	3786⅔	3797⅓	3808	3818⅔	3829⅓	3840	360
360	3850⅔	3861⅓	3872	3882⅔	3893⅓	3904	3914⅔	3925⅓	3936	3946⅔	370
370	3957⅓	3968	3978⅔	3989⅓	4000	4010⅔	4021⅓	4032	4042⅔	4053⅓	380
380	4064	4074⅔	4085⅓	4096	4106⅔	4117⅓	4128	4138⅔	4149⅓	4160	390
390	4170⅔	4181⅓	4192	4202⅔	4213⅓	4224	4234⅔	4245⅓	4256	4266⅔	400
400	4277⅓	4288	4298⅔	4309⅓	4320	4330⅔	4341⅓	4352	4362⅔	4373⅓	410
410	4384	4394⅔	4405⅓	4416	4426⅔	4437⅓	4448	4458⅔	4469⅓	4480	420
420	4490⅔	4501⅓	4512	4522⅔	4533⅓	4544	4554⅔	4565⅓	4576	4586⅔	430
430	4597⅓	4608	4618⅔	4629⅓	4640	4650⅔	4661⅓	4672	4682⅔	4693⅓	440
440	4704	4714⅔	4725⅓	4736	4746⅔	4757⅓	4768	4778⅔	4789⅓	4800	450
450	4810⅔	4821⅓	4832	4842⅔	4853⅓	4864	4874⅔	4885⅓	4896	4906⅔	460
460	4917⅓	4928	4938⅔	4949⅓	4960	4970⅔	4981⅓	4992	5002⅔	5013⅓	470
470	5024	5034⅔	5045⅓	5056	5066⅔	5077⅓	5088	5098⅔	5109⅓	5120	480
480	5130⅔	5141⅓	5152	5162⅔	5173⅓	5184	5194⅔	5205⅓	5216	5226⅔	490
490	5237⅓	5248	5258⅔	5269⅓	5280	5290⅔	5301⅓	5312	5322⅔	5333⅓	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 8 / 2 x 4 = 18

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	12	24	36	48	60	72	84	96	108	120	**10**
10	132	144	156	168	180	192	204	216	228	240	**20**
20	252	264	276	288	300	312	324	336	348	360	**30**
30	372	384	396	408	420	432	444	456	468	480	**40**
40	492	504	516	528	540	552	564	576	588	600	**50**
50	612	624	636	648	660	672	684	696	708	720	**60**
60	732	744	756	768	780	792	804	816	828	840	**70**
70	852	864	876	888	900	912	924	936	948	960	**80**
80	972	984	996	1008	1020	1032	1044	1056	1068	1080	**90**
90	1092	1104	1116	1128	1140	1152	1164	1176	1188	1200	**100**
100	1212	1224	1236	1248	1260	1272	1284	1296	1308	1320	**110**
110	1332	1344	1356	1368	1380	1392	1404	1416	1428	1440	**120**
120	1452	1464	1476	1488	1500	1512	1524	1536	1548	1560	**130**
130	1572	1584	1596	1608	1620	1632	1644	1656	1668	1680	**140**
140	1692	1704	1716	1728	1740	1752	1764	1776	1788	1800	**150**
150	1812	1824	1836	1848	1860	1872	1884	1896	1908	1920	**160**
160	1932	1944	1956	1968	1980	1992	2004	2016	2028	2040	**170**
170	2052	2064	2076	2088	2100	2112	2124	2136	2148	2160	**180**
180	2172	2184	2196	2208	2220	2232	2244	2256	2268	2280	**190**
190	2292	2304	2316	2328	2340	2352	2364	2376	2388	2400	**200**
200	2412	2424	2436	2448	2460	2472	2484	2496	2508	2520	**210**
210	2532	2544	2556	2568	2580	2592	2604	2616	2628	2640	**220**
220	2652	2664	2676	2688	2700	2712	2724	2736	2748	2760	**230**
230	2772	2784	2796	2808	2820	2832	2844	2856	2868	2880	**240**
240	2892	2904	2916	2928	2940	2952	2964	2976	2988	3000	**250**
250	3012	3024	3036	3048	3060	3072	3084	3096	3108	3120	**260**
260	3132	3144	3156	3168	3180	3192	3204	3216	3228	3240	**270**
270	3252	3264	3276	3288	3300	3312	3324	3336	3348	3360	**280**
280	3372	3384	3396	3408	3420	3432	3444	3456	3468	3480	**290**
290	3492	3504	3516	3528	3540	3552	3564	3576	3588	3600	**300**
300	3612	3624	3636	3648	3660	3672	3684	3696	3708	3720	**310**
310	3732	3744	3756	3768	3780	3792	3804	3816	3828	3840	**320**
320	3852	3864	3876	3888	3900	3912	3924	3936	3948	3960	**330**
330	3972	3984	3996	4008	4020	4032	4044	4056	4068	4080	**340**
340	4092	4104	4116	4128	4140	4152	4164	4176	4188	4200	**350**
350	4212	4224	4236	4248	4260	4272	4284	4296	4308	4320	**360**
360	4332	4344	4356	4368	4380	4392	4404	4416	4428	4440	**370**
370	4452	4464	4476	4488	4500	4512	4524	4536	4548	4560	**380**
380	4572	4584	4596	4608	4620	4632	4644	4656	4668	4680	**390**
390	4692	4704	4716	4728	4740	4752	4764	4776	4788	4800	**400**
400	4812	4824	4836	4848	4860	4872	4884	4896	4908	4920	**410**
410	4932	4944	4956	4968	4980	4992	5004	5016	5028	5040	**420**
420	5052	5064	5076	5088	5100	5112	5124	5136	5148	5160	**430**
430	5172	5184	5196	5208	5220	5232	5244	5256	5268	5280	**440**
440	5292	5304	5316	5328	5340	5352	5364	5376	5388	5400	**450**
450	5412	5424	5436	5448	5460	5472	5484	5496	5508	5520	**460**
460	5532	5544	5556	5568	5580	5592	5604	5616	5628	5640	**470**
470	5652	5664	5676	5688	5700	5712	5724	5736	5748	5760	**480**
480	5772	5784	5796	5808	5820	5832	5844	5856	5868	5880	**490**
490	5892	5904	5916	5928	5940	5952	5964	5976	5988	6000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
3 x48	- 1
6 x24	- 1
8 x18	- 1
9 x16	- 1
12 x12	- 1
2 x36	- 2
2¼x32	- 2
3 x24	- 2
4½x16	- 2
4 x18	- 2
6 x12	- 2
8 x 9	- 2
½x96	- 3
1 x48	- 3
1½x32	- 3
2 x24	- 3
3 x16	- 3
4 x12	- 3
6 x 8	- 3
½x72	- 4
1 x36	- 4
1½x24	- 4
2 x18	- 4
2¼x16	- 4
3 x12	- 4
4½x 8	- 4
4 x 9	- 4
6 x 6	- 4
¼x96	- 6
½x48	- 6
1 x24	- 6
1½x16	- 6
2 x12	- 6
3 x 8	- 6
4 x 6	- 6
¼x72	- 8
½x36	- 8
1 x18	- 8
1½x12	- 8
2 x 9	- 8
2¼x 8	- 8
3 x 6	- 8
4 x 4½	- 8
¼x64	- 9
½x32	- 9
1 x16	- 9
2 x 8	- 9
4 x 4	- 9
⅛x96	-12
¼x48	-12
½x24	-12
1 x12	-12
1½x 8	-12
2 x 6	-12
3 x 4	-12
⅛x72	-16
¼x36	-16
½x18	-16
1 x 9	-16
1½x 6	-16
2 x 4½	-16
2¼x 4	-16
3 x 3	-16
⅛x64	-18
¼x32	-18
½x16	-18
1 x 8	-18
2 x 4	-18
⅛x48	-24
¼x24	-24
½x12	-24
1 x 6	-24
2 x 3	-24
⅛x32	-36
¼x16	-36
½x 8	-36
1 x 4	-36
2 x 2	-36

Size	Lth
4 x40	- 1
8 x20	- 1
10 x16	- 1
2½x32	- 2
4 x20	- 2
5 x16	- 2
8 x10	- 2
½x80	- 4
1 x40	- 4
2 x20	- 4
2½x16	- 4
4 x10	- 4
5 x 8	- 4
½x64	- 5
1 x32	- 5
2 x16	- 5
4 x 8	- 5
¼x80	- 8
½x40	- 8
1 x20	- 8
1¼x16	- 8
2 x10	- 8
2½x 8	- 8
4 x 5	- 8
¼x64	-10
½x32	-10
1 x16	-10
2 x 8	-10
4 x 4	-10
⅛x80	-16
¼x40	-16
½x20	-16
1 x10	-16
1¼x 8	-16
2½x 4	-16
2 x 5	-16
⅛x64	-20
¼x32	-20
½x16	-20
1 x 8	-20
2 x 4	-20
⅛x32	-40
¼x16	-40
½x 8	-40
1 x 4	-40
2 x 2	-40

$\frac{1}{2} \times \frac{8}{4}$ = 20

(½ x 8, 2 x 4 = 20)

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	13⅓	26⅔	40	53⅓	66⅔	80	93⅓	106⅔	120	133⅓	**10**
10	146⅔	160	173⅓	186⅔	200	213⅓	226⅔	240	253⅓	266⅔	**20**
20	280	293⅓	306⅔	320	333⅓	346⅔	360	373⅓	386⅔	400	**30**
30	413⅓	426⅔	440	453⅓	466⅔	480	493⅓	506⅔	520	533⅓	**40**
40	546⅔	560	573⅓	586⅔	600	613⅓	626⅔	640	653⅓	666⅔	**50**
50	680	693⅓	706⅔	720	733⅓	746⅔	760	773⅓	786⅔	800	**60**
60	813⅓	826⅔	840	853⅓	866⅔	880	893⅓	906⅔	920	933⅓	**70**
70	946⅔	960	973⅓	986⅔	1000	1013⅓	1026⅔	1040	1053⅓	1066⅔	**80**
80	1080	1093⅓	1106⅔	1120	1133⅓	1146⅔	1160	1173⅓	1186⅔	1200	**90**
90	1213⅓	1226⅔	1240	1253⅓	1266⅔	1280	1293⅓	1306⅔	1320	1333⅓	**100**
100	1346⅔	1360	1373⅓	1386⅔	1400	1413⅓	1426⅔	1440	1453⅓	1466⅔	**110**
110	1480	1493⅓	1506⅔	1520	1533⅓	1546⅔	1560	1573⅓	1586⅔	1600	**120**
120	1613⅓	1626⅔	1640	1653⅓	1666⅔	1680	1693⅓	1706⅔	1720	1733⅓	**130**
130	1746⅔	1760	1773⅓	1786⅔	1800	1813⅓	1826⅔	1840	1853⅓	1866⅔	**140**
140	1880	1893⅓	1906⅔	1920	1933⅓	1946⅔	1960	1973⅓	1986⅔	2000	**150**
150	2013⅓	2026⅔	2040	2053⅓	2066⅔	2080	2093⅓	2106⅔	2120	2133⅓	**160**
160	2146⅔	2160	2173⅓	2186⅔	2200	2213⅓	2226⅔	2240	2253⅓	2266⅔	**170**
170	2280	2293⅓	2306⅔	2320	2333⅓	2346⅔	2360	2373⅓	2386⅔	2400	**180**
180	2413⅓	2426⅔	2440	2453⅓	2466⅔	2480	2493⅓	2506⅔	2520	2533⅓	**190**
190	2546⅔	2560	2573⅓	2586⅔	2600	2613⅓	2626⅔	2640	2653⅓	2666⅔	**200**
200	2680	2693⅓	2706⅔	2720	2733⅓	2746⅔	2760	2773⅓	2786⅔	2800	**210**
210	2813⅓	2826⅔	2840	2853⅓	2866⅔	2880	2893⅓	2906⅔	2920	2933⅓	**220**
220	2946⅔	2960	2973⅓	2986⅔	3000	3013⅓	3026⅔	3040	3053⅓	3066⅔	**230**
230	3080	3093⅓	3106⅔	3120	3133⅓	3146⅔	3160	3173⅓	3186⅔	3200	**240**
240	3213⅓	3226⅔	3240	3253⅓	3266⅔	3280	3293⅓	3306⅔	3320	3333⅓	**250**
250	3346⅔	3360	3373⅓	3386⅔	3400	3413⅓	3426⅔	3440	3453⅓	3466⅔	**260**
260	3480	3493⅓	3506⅔	3520	3533⅓	3546⅔	3560	3573⅓	3586⅔	3600	**270**
270	3613⅓	3626⅔	3640	3653⅓	3666⅔	3680	3693⅓	3706⅔	3720	3733⅓	**280**
280	3746⅔	3760	3773⅓	3786⅔	3800	3813⅓	3826⅔	3840	3853⅓	3866⅔	**290**
290	3880	3893⅓	3906⅔	3920	3933⅓	3946⅔	3960	3973⅓	3986⅔	4000	**300**
300	4013⅓	4026⅔	4040	4053⅓	4066⅔	4080	4093⅓	4106⅔	4120	4133⅓	**310**
310	4146⅔	4160	4173⅓	4186⅔	4200	4213⅓	4226⅔	4240	4253⅓	4266⅔	**320**
320	4280	4293⅓	4306⅔	4320	4333⅓	4346⅔	4360	4373⅓	4386⅔	4400	**330**
330	4413⅓	4426⅔	4440	4453⅓	4466⅔	4480	4493⅓	4506⅔	4520	4533⅓	**340**
340	4546⅔	4560	4573⅓	4586⅔	4600	4613⅓	4626⅔	4640	4653⅓	4666⅔	**350**
350	4680	4693⅓	4706⅔	4720	4733⅓	4746⅔	4760	4773⅓	4786⅔	4800	**360**
360	4813⅓	4826⅔	4840	4853⅓	4866⅔	4880	4893⅓	4906⅔	4920	4933⅓	**370**
370	4946⅔	4960	4973⅓	4986⅔	5000	5013⅓	5026⅔	5040	5053⅓	5066⅔	**380**
380	5080	5093⅓	5106⅔	5120	5133⅓	5146⅔	5160	5173⅓	5186⅔	5200	**390**
390	5213⅓	5226⅔	5240	5253⅓	5266⅔	5280	5293⅓	5306⅔	5320	5333⅓	**400**
400	5346⅔	5360	5373⅓	5386⅔	5400	5413⅓	5426⅔	5440	5453⅓	5466⅔	**410**
410	5480	5493⅓	5506⅔	5520	5533⅓	5546⅔	5560	5573⅓	5586⅔	5600	**420**
420	5613⅓	5626⅔	5640	5653⅓	5666⅔	5680	5693⅓	5706⅔	5720	5733⅓	**430**
430	5746⅔	5760	5773⅓	5786⅔	5800	5813⅓	5826⅔	5840	5853⅓	5866⅔	**440**
440	5880	5893⅓	5906⅔	5920	5933⅓	5946⅔	5960	5973⅓	5986⅔	6000	**450**
450	6013⅓	6026⅔	6040	6053⅓	6066⅔	6080	6093⅓	6106⅔	6120	6133⅓	**460**
460	6146⅔	6160	6173⅓	6186⅔	6200	6213⅓	6226⅔	6240	6253⅓	6266⅔	**470**
470	6280	6293⅓	6306⅔	6320	6333⅓	6346⅔	6360	6373⅓	6386⅔	6400	**480**
480	6413⅓	6426⅔	6440	6453⅓	6466⅔	6480	6493⅓	6506⅔	6520	6533⅓	**490**
490	6546⅔	6560	6573⅓	6586⅔	6600	6613⅓	6626⅔	6640	6653⅓	6666⅔	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 X 9 / 2 X 4½ = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	4½	9	13½	18	22½	27	31½	36	40½	45	**10**
10	49½	54	58½	63	67½	72	76½	81	85½	90	**20**
20	94½	99	103½	108	112½	117	121½	126	130½	135	**30**
30	139½	144	148½	153	157½	162	166½	171	175½	180	**40**
40	184½	189	193½	198	202½	207	211½	216	220½	225	**50**
50	229½	234	238½	243	247½	252	256½	261	265½	270	**60**
60	274½	279	283½	288	292½	297	301½	306	310½	315	**70**
70	319½	324	328½	333	337½	342	346½	351	355½	360	**80**
80	364½	369	373½	378	382½	387	391½	396	400½	405	**90**
90	409½	414	418½	423	427½	432	436½	441	445½	450	**100**

1 X 9 / 2 X 4½ = 8

	6	12	18	24	30	36	42	48	54	60	**10**
10	66	72	78	84	90	96	102	108	114	120	**20**
20	126	132	138	144	150	156	162	168	174	180	**30**
30	186	192	198	204	210	216	222	228	234	240	**40**
40	246	252	258	264	270	276	282	288	294	300	**50**
50	306	312	318	324	330	336	342	348	354	360	**60**
60	366	272	378	384	390	396	402	408	414	420	**70**
70	426	432	438	444	450	456	462	468	474	480	**80**
80	486	492	498	504	510	516	522	528	534	540	**90**
90	546	552	558	564	570	576	582	588	594	600	**100**

1 X 9 / 2 X 4½ = 10

	7½	15	22½	30	37½	45	52½	60	67½	75	**10**
10	82½	90	97½	105	112½	120	127½	135	142½	150	**20**
20	157½	165	172½	180	187½	195	202½	210	217½	225	**30**
30	232½	240	247½	255	262½	270	277½	285	292½	300	**40**
40	307½	315	322½	330	337½	345	352½	360	367½	375	**50**
50	382½	390	397½	405	412½	420	427½	435	442½	450	**60**
60	457½	465	472½	480	487½	495	502½	510	517½	525	**70**
70	532½	540	547½	555	562½	570	577½	585	592½	600	**80**
80	607½	615	622½	630	637½	645	652½	660	667½	675	**90**
90	682½	690	697½	705	712½	720	727½	735	742½	750	**100**

1 X 9 / 2 X 4½ = 12

	9	18	27	36	45	54	63	72	81	90	**10**
10	99	108	117	126	135	144	153	162	171	180	**20**
20	189	198	207	216	225	234	243	252	261	270	**30**
30	279	288	297	306	315	324	333	342	351	360	**40**
40	369	378	387	396	405	414	423	432	441	450	**50**
50	459	468	477	486	495	504	513	522	531	540	**60**
60	549	558	567	576	585	594	603	612	621	630	**70**
70	639	648	657	666	675	684	693	702	711	720	**80**
80	729	738	747	756	765	774	783	792	801	810	**90**
90	819	828	837	846	855	864	873	882	891	900	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6 annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

Size	Lth
2 x27	1
2¼x24	1
3 x18	1
4 x13½	1
4½x12	1
6¾x 8	1
6 x 9	1
½x54	2
1 x27	2
2 x13½	2
2¼x12	2
3 x 9	2
4 x 6¾	2
4½x 6	2
¼x72	3
½x36	3
1 x18	3
1½x12	3
2 x 9	3
2¼x 8	3
3 x 6	3
4 x 4½	3
¼x54	4

For Complete Table, See Page 13.

Size	Lth
3 x24	1
4 x18	1
4½x16	1
6 x12	1
8 x 9	1
1½x24	2
2 x18	2
2¼x16	2
3 x12	2
4 x 9	2
4½x 8	2
6 x 6	2
¼x96	3
½x48	3
1 x24	3
1½x16	3
2 x12	3
3 x 8	3

For Complete Table, See Pages 24 and 19.

Size	Lth
2 x11¼	4
2¼x10	4
2½x 9	4
3 x 7½	4
3¾x 6	4
4 x 5½	4
4½x 5	4
1 x18	5
1½x12	5
2 x 9	5
2¼x 8	5
2½x 6	5
3 x 6	5
4 x 4½	5
1 x15	6
1¼x12	6
1½x10	6
2 x 7½	6

For Other Sizes and Lengths, See Pages 22 and 60.

Size	Lth
4 x27	1
4½x24	1
6 x18	1
8 x13½	1
9 x12	1
1 x54	2
2 x27	2
2¼x24	2
3 x18	2
4 x13½	2
4½x12	2
6¾x 8	2
6 x 9	2
½x72	3
1 x36	3
1½x24	3
2 x18	3
2¼x16	3
3 x12	3
4 x 9	3
4½x 8	3
6 x 6	3
½x54	4

For Complete Table, See Page 27.

Size	Lth
1¾x18	4
2¼x14	4
3 x10½	4
3½x 9	4
4½x 7	4
5¼x 6	4
1 x21	6
1½x14	6
1¾x12	6
2 x10½	6
3 x 7	6
3½x 6	6
4 x 5¼	6
1 x18	7
1½x12	7
2 x 9	7
2¼x 8	7
3 x 6	7
4 x 4½	7
1 x15¾	8
1½x10½	8
1¾x 9	8
2¼x 7	8

See Also Page 30, Table No. 3.

Size	Lth
3 x48	1
6 x24	1
8 x18	1
9 x16	1
12 x12	1
2 x36	2
2¼x32	2
3 x24	2
4½x16	2
4 x18	2
6 x12	2
8 x 9	2
½x96	3
1 x48	3
1½x32	3
2 x24	3
3 x16	3
4 x12	3
2 x27	3
3 x18	3
6 x 9	3
3 x13½	4
1 x27	6
2 x13½	6
1 x18	9
1½x12	9
2 x 9	9
3 x 6	9
1 x13½	12
2 x 6¾	12
1 x 9	18
2 x 4½	18
2¼x 4	18
3 x 3	18
½x12	27
1 x 6	27

For Complete Table, See Pages 36-49.

Size	Lth
6 x30	1
10 x18	1
12 x15	1
7½x24	1
3 x30	2
3¾x24	2
4½x20	2
5 x18	2
6 x15	2
7½x12	2
8 x11¼	2
9 x10	2
2 x30	3
2½x24	3
3 x20	3
4 x15	3
5 x12	3
6 x10	3
7½x 8	3
1½x30	4
2¼x20	4
3 x15	4
3¾x12	4

For Complete Table, See Page 44.

1/2 X 9 / 2 X 4½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	10½	21	31½	42	52½	63	73½	84	94½	105	10
10	115½	126	136½	147	157½	168	178½	189	199½	210	20
20	220½	231	241½	252	262½	273	283½	294	304½	315	30
30	325½	336	346½	357	367½	378	388½	399	409½	420	40
40	430½	441	451½	462	472½	483	493½	504	514½	525	50
50	535½	546	556½	567	577½	588	598½	609	619½	630	60
60	640½	651	661½	672	682½	693	703½	714	724½	735	70
70	745½	756	766½	777	787½	798	808½	819	829½	840	80
80	850½	861	871½	882	892½	903	913½	924	934½	945	90
90	955½	966	976½	987	997½	1008	1018½	1029	1039½	1050	100

1/2 X 9 / 2 X 4½ = 16

	12	24	36	48	60	72	84	96	108	120	10
10	132	144	156	168	180	192	204	216	228	240	20
20	252	264	276	288	300	312	324	336	348	360	30
30	372	384	396	408	420	432	444	456	468	480	40
40	492	504	516	528	540	552	564	576	588	600	50
50	612	624	636	648	660	672	684	696	708	720	60
60	732	744	756	768	780	792	804	816	828	840	70
70	852	864	876	888	900	912	924	936	948	960	80
80	972	984	996	1008	1020	1032	1044	1056	1068	1080	90
90	1092	1104	1116	1128	1140	1152	1164	1176	1188	1200	100

1/2 X 9 / 2 X 4½ = 18

	13½	27	40½	54	67½	81	94½	108	121½	135	10
10	148½	162	175½	189	202½	216	229½	243	256½	270	20
20	283½	297	310½	324	337½	351	364½	378	391½	405	30
30	418½	432	445½	459	472½	486	499½	513	526½	540	40
40	553½	567	580½	594	607½	621	634½	648	661½	675	50
50	688½	702	715½	729	742½	756	769½	783	796½	810	60
60	823½	837	850½	864	877½	891	904½	918	931½	945	70
70	958½	972	985½	999	1012½	1026	1039½	1053	1066½	1080	80
80	1093½	1107	1120½	1134	1147½	1161	1174½	1188	1201½	1215	90
90	1228½	1242	1255½	1269	1282½	1296	1309½	1323	1336½	1350	100

1/2 X 9 / 2 X 4½ = 20

	15	30	45	60	75	90	105	120	135	150	10
10	165	180	195	210	225	240	255	270	285	300	20
20	315	330	345	360	375	390	405	420	435	450	30
30	465	480	495	510	525	540	555	570	585	600	40
40	615	630	645	660	675	690	705	720	735	750	50
50	765	780	795	810	825	840	855	870	885	900	60
60	915	930	945	960	975	990	1005	1020	1035	1050	70
70	1065	1080	1095	1110	1125	1140	1155	1170	1185	1200	80
80	1215	1230	1245	1260	1275	1290	1305	1320	1335	1350	90
90	1365	1380	1395	1410	1425	1440	1455	1470	1485	1500	100

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

1x9
1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 X 10 / 2 X 5 = 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	3⅓	6⅔	10	13⅓	16⅔	20	23⅓	26⅔	30	33⅓	10
10	36⅔	40	43⅓	46⅔	50	53⅓	56⅔	60	63⅓	66⅔	20
20	70	73⅓	76⅔	80	83⅓	86⅔	90	93⅓	96⅔	100	30
30	103⅓	106⅔	110	113⅓	116⅔	120	123⅓	126⅔	130	133⅓	40
40	136⅔	140	143⅓	146⅔	150	153⅓	156⅔	160	163⅓	166⅔	50
50	170	173⅓	176⅔	180	183⅓	186⅔	190	193⅓	196⅔	200	60
60	203⅓	206⅔	210	213⅓	216⅔	220	223⅓	226⅔	230	233⅓	70
70	236⅔	240	243⅓	246⅔	250	253⅓	256⅔	260	263⅓	266⅔	80
80	270	273⅓	276⅔	280	283⅓	286⅔	290	293⅓	296⅔	300	90
90	303⅓	306⅔	310	313⅓	316⅔	320	323⅓	326⅔	330	333⅓	100

1 X 10 / 2 X 5 = 6

	5	10	15	20	25	30	35	40	45	50	10
10	55	60	65	70	75	80	85	90	95	100	20
20	105	110	115	120	125	130	135	140	145	150	30
30	155	160	165	170	175	180	185	190	195	200	40
40	205	210	215	220	225	230	235	240	245	250	50
50	255	260	265	270	275	280	285	290	295	300	60
60	305	310	315	320	325	330	335	340	345	350	70
70	355	360	365	370	375	380	385	390	395	400	80
80	405	410	415	420	425	430	435	440	445	450	90
90	455	460	465	470	475	480	485	490	495	500	100

1 X 10 / 2 X 5 = 8

	6⅔	13⅓	20	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	10
10	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓	20
20	140	146⅔	153⅓	160	166⅔	173⅓	180	186⅔	193⅓	200	30
30	206⅔	213⅓	220	226⅔	233⅓	240	246⅔	253⅓	260	266⅔	40
40	273⅓	280	286⅔	293⅓	300	306⅔	313⅓	320	326⅔	333⅓	50
50	340	346⅔	353⅓	360	366⅔	373⅓	380	386⅔	393⅓	400	60
60	406⅔	413⅓	420	426⅔	433⅓	440	446⅔	453⅓	460	466⅔	70
70	473⅓	480	486⅔	493⅓	500	506⅔	513⅓	520	526⅔	533⅓	80
80	540	546⅔	553⅓	560	566⅔	573⅓	580	586⅔	593⅓	600	90
90	606⅔	613⅓	620	626⅔	633⅓	640	646⅔	653⅓	660	666⅔	100

1 X 10 / 2 X 5 = 10

	8⅓	16⅔	25	33⅓	41⅔	50	58⅓	66⅔	75	83⅓	10
10	91⅔	100	108⅓	116⅔	125	133⅓	141⅔	150	158⅓	166⅔	20
20	175	183⅓	191⅔	200	208⅓	216⅔	225	233⅓	241⅔	250	30
30	258⅓	266⅔	275	283⅓	291⅔	300	308⅓	316⅔	325	333⅓	40
40	341⅔	350	358⅓	366⅔	375	383⅓	391⅔	400	408⅓	416⅔	50
50	425	433⅓	441⅔	450	458⅓	466⅔	475	483⅓	491⅔	500	60
60	508⅓	516⅔	525	533⅓	541⅔	550	558⅓	566⅔	575	583⅓	70
70	591⅔	600	608⅓	616⅔	625	633⅓	641⅔	650	658⅓	666⅔	80
80	675	683⅓	691⅔	700	708⅓	716⅔	725	733⅓	741⅔	750	90
90	758⅓	766⅔	775	783⅓	791⅔	800	808⅓	816⅔	825	833⅓	100

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

Size	Lth
2½x 8	- 2
4 x 5	- 2
1 x10	- 4
1¼x 8	- 4
2 x 5	- 4
2½x 4	- 4
1 x 8	- 5
2 x 4	- 5
1 x 5	- 8
1¼x 4	- 8
2 x 2½	- 8
1 x 4	-10
2 x 2	-10
1¼x 2	-16
1 x 2½	-16
¼x 8	-20
½x 4	-20
1 x 2	-20

See Also Page 8, Table No. 4.

Size	Lth
2 x30	- 1
2½x24	- 1
3 x20	- 1
3¾x16	- 1
4 x15	- 1
5 x12	- 1
6 x10	- 1
7½x 8	- 1
½x60	- 2
1¼x24	- 2
1½x20	- 2
2 x15	- 2
2½x12	- 2
3 x10	- 2
3¾x 8	- 2
4 x 7½	- 2
5 x 6	- 2
¼x80	- 3

For Complete Table, See Page 14.

Size	Lth
2½x32	- 1
4 x20	- 1
5 x16	- 1
8 x10	- 1
½x80	- 2
1 x40	- 2
2 x20	- 2
4 x10	- 2
5 x 8	- 2
¼x80	- 4
½x40	- 4
1 x20	- 4
2 x10	- 4
2½x 8	- 4
4 x 5	- 4
¼x64	- 5
½x32	- 5
1 x16	- 5

For Complete Table, See Pages 20 and 32.

Size	Lth
1 x20	- 5
1¼x16	- 5
2 x10	- 5
2½x 8	- 5
4 x 5	- 5
1 x12½	- 8
1¼x10	- 8
2 x 6¼	- 8
2½x 5	- 8
1 x10	-10
1¼x 8	-10
2 x 5	-10
2½x 4	10
1 x 6¼	-16
1¼x 5	-16
1 x 5	-20
1¼x 4	-20
2 x 2½	-20
1 x 4	-25

See Page 22, Table No. 4.

Size	Lth
4 x30	- 1
5 x24	- 1
6 x20	- 1
7½x16	- 1
8 x15	- 1
10 x12	- 1
1 x60	- 2
2 x30	- 2
2½x24	- 2
3 x20	- 2
3¾x16	- 2
4 x15	- 2
5 x12	- 2
6 x10	- 2
7½x 8	- 2
½x80	- 3
1 x40	- 3
2 x20	- 3
2½x16	- 3
4 x10	- 3
5 x 8	- 3
½x60	- 4
1 x30	- 4
1¼x24	- 4
1½x20	- 4
2 x15	- 4
2½x12	- 4
3 x10	- 4
3¾x 8	- 4
4 x 7½	- 4
5 x 6	- 4
¼x96	- 5
½x48	- 5
1 x24	- 5
1½x16	- 5
2 x12	- 5
3 x 8	- 5
4 x 6	- 5
¼x80	- 6
½x40	- 6
1 x20	- 6
1¼x16	- 6
2 x10	- 6
2½x 8	- 6
4 x 5	- 6
¼x60	- 8
½x30	- 8
1 x15	- 8
1¼x12	- 8
1½x10	- 8
2 x 7½	- 8
2½x 6	- 8
3 x 5	- 8
3¾x 4	- 8
⅛x96	-10
¼x48	-10
½x24	-10
1 x12	-10
1½x 8	-10
2 x 6	-10
3 x 4	-10
⅛x80	-12
¼x40	-12
½x20	-12
1 x10	-12
1¼x 8	-12
2 x 5	-12
2½x 4	-12
⅛x64	-15
¼x32	-15
½x16	-15
1 x 8	-15
2 x 4	-15
⅛x60	-16
¼x30	-16
½x15	-16
1 x 7½	-16
1½x 5	-16
1¼x 6	-16
2 x 3¾	-16
2½x 3	-16
⅛x48	-20
¼x24	-20
½x12	-20
1 x 6	-20

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$\frac{1}{2}\frac{x}{x}\frac{10}{5} = 12$

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	10	20	30	40	50	60	70	80	90	100	**10**
10	110	120	130	140	150	160	170	180	190	200	**20**
20	210	220	230	240	250	260	270	280	290	300	**30**
30	310	320	330	340	350	360	370	380	390	400	**40**
40	410	420	430	440	450	460	470	480	490	500	**50**
50	510	520	530	540	550	560	570	580	590	600	**60**
60	610	620	630	640	650	660	670	680	690	700	**70**
70	710	720	730	740	750	760	770	780	790	800	**80**
80	810	820	830	840	850	860	870	880	890	900	**90**
90	910	920	930	940	950	960	970	980	990	1000	**100**
100	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	**110**
110	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	**120**
120	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	**130**
130	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	**140**
140	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	**150**
150	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	**160**
160	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	**170**
170	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	**180**
180	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	**190**
190	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	**200**
200	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	**210**
210	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	**220**
220	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	**230**
230	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	**240**
240	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	**250**
250	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	**260**
260	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	**270**
270	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	**280**
280	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	**290**
290	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	**300**
300	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	**310**
310	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	**320**
320	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	**330**
330	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	**340**
340	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	**350**
350	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	**360**
360	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	**370**
370	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	**380**
380	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	**390**
390	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	**400**
400	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	**410**
410	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	**420**
420	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	**430**
430	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	**440**
440	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	**450**
450	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	**460**
460	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	**470**
470	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	**480**
480	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	**490**
490	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4

1x10
1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 10 / 2 x 5 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	11⅔	23⅓	35	46⅔	58⅓	70	81⅔	93⅓	105	116⅔	**10**
10	128⅓	140	151⅔	163⅓	175	186⅔	198⅓	210	221⅔	233⅓	**20**
20	245	256⅔	268⅓	280	291⅔	303⅓	315	326⅔	338⅓	350	**30**
30	361⅔	373⅓	385	396⅔	408⅓	420	431⅔	443⅓	455	466⅔	**40**
40	478⅓	490	501⅔	513⅓	525	536⅔	548⅓	560	571⅔	583⅓	**50**
50	595	606⅔	618⅓	630	641⅔	653⅓	665	676⅔	688⅓	700	**60**
60	711⅔	723⅓	735	746⅔	758⅓	770	781⅔	793⅓	805	816⅔	**70**
70	828⅓	840	851⅔	863⅓	875	886⅔	898⅓	910	921⅔	933⅓	**80**
80	945	956⅔	968⅓	980	991⅔	1003⅓	1015	1026⅔	1038⅓	1050	**90**
90	1061⅔	1073⅓	1085	1096⅔	1108⅓	1120	1131⅔	1143⅓	1155	1166⅔	**100**
100	1178⅓	1190	1201⅔	1213⅓	1225	1236⅔	1248⅓	1260	1271⅔	1283⅓	**110**
110	1295	1306⅔	1318⅓	1330	1341⅔	1353⅓	1365	1376⅔	1388⅓	1400	**120**
120	1411⅔	1423⅓	1435	1446⅔	1458⅓	1470	1481⅔	1493⅓	1505	1516⅔	**130**
130	1528⅓	1540	1551⅔	1563⅓	1575	1586⅔	1598⅓	1610	1621⅔	1633⅓	**140**
140	1645	1656⅔	1668⅓	1680	1691⅔	1703⅓	1715	1726⅔	1738⅓	1750	**150**
150	1761⅔	1773⅓	1785	1796⅔	1808⅓	1820	1831⅔	1843⅓	1855	1866⅔	**160**
160	1878⅓	1890	1901⅔	1913⅓	1925	1936⅔	1948⅓	1960	1971⅔	1983⅓	**170**
170	1995	2006⅔	2018⅓	2030	2041⅔	2053⅓	2065	2076⅔	2088⅓	2100	**180**
180	2111⅔	2123⅓	2135	2146⅔	2158⅓	2170	2181⅔	2193⅓	2205	2216⅔	**190**
190	2228⅓	2240	2251⅔	2263⅓	2275	2286⅔	2298⅓	2310	2321⅔	2333⅓	**200**
200	2345	2356⅔	2368⅓	2380	2391⅔	2403⅓	2415	2426⅔	2438⅓	2450	**210**
210	2461⅔	2473⅓	2485	2496⅔	2508⅓	2520	2531⅔	2543⅓	2555	2566⅔	**220**
220	2578⅓	2590	2601⅔	2613⅓	2625	2636⅔	2648⅓	2660	2671⅔	2683⅓	**230**
230	2695	2706⅔	2718⅓	2730	2741⅔	2753⅓	2765	2776⅔	2788⅓	2800	**240**
240	2811⅔	2823⅓	2835	2846⅔	2858⅓	2870	2881⅔	2893⅓	2905	2916⅔	**250**
250	2928⅓	2940	2951⅔	2963⅓	2975	2986⅔	2998⅓	3010	3021⅔	3033⅓	**260**
260	3045	3056⅔	3068⅓	3080	3091⅔	3103⅓	3115	3126⅔	3138⅓	3150	**270**
270	3161⅔	3173⅓	3185	3196⅔	3208⅓	3220	3231⅔	3243⅓	3255	3266⅔	**280**
280	3278⅓	3290	3301⅔	3313⅓	3325	3336⅔	3348⅓	3360	3371⅔	3383⅓	**290**
290	3395	3406⅔	3418⅓	3430	3441⅔	3453⅓	3465	3476⅔	3488⅓	3500	**300**
300	3511⅔	3523⅓	3535	3546⅔	3558⅓	3570	3581⅔	3593⅓	3605	3616⅔	**310**
310	3628⅓	3640	3651⅔	3663⅓	3675	3686⅔	3698⅓	3710	3721⅔	3733⅓	**320**
320	3745	3756⅔	3768⅓	3780	3791⅔	3803⅓	3815	3826⅔	3838⅓	3850	**330**
330	3861⅔	3873⅓	3885	3896⅔	3908⅓	3920	3931⅔	3943⅓	3955	3966⅔	**340**
340	3978⅓	3990	4001⅔	4013⅓	4025	4036⅔	4048⅓	4060	4071⅔	4083⅓	**350**
350	4095	4106⅔	4118⅓	4130	4141⅔	4153⅓	4165	4176⅔	4188⅓	4200	**360**
360	4211⅔	4223⅓	4235	4246⅔	4258⅓	4270	4281⅔	4293⅓	4305	4316⅔	**370**
370	4328⅓	4340	4351⅔	4363⅓	4375	4386⅔	4398⅓	4410	4421⅔	4433⅓	**380**
380	4445	4456⅔	4468⅓	4480	4491⅔	4503⅓	4515	4526⅔	4538⅓	4550	**390**
390	4561⅔	4573⅓	4585	4596⅔	4608⅓	4620	4631⅔	4643⅓	4655	4666⅔	**400**
400	4678⅓	4690	4701⅔	4713⅓	4725	4736⅔	4748⅓	4760	4771⅔	4783⅓	**410**
410	4795	4806⅔	4818⅓	4830	4841⅔	4853⅓	4865	4876⅔	4888⅓	4900	**420**
420	4911⅔	4923⅓	4935	4946⅔	4958⅓	4970	4981⅔	4993⅓	5005	5016⅔	**430**
430	5028⅓	5040	5051⅔	5068⅓	5075	5086⅔	5098⅓	5110	5121⅔	5133⅓	**440**
440	5145	5156⅔	5168⅓	5180	5191⅔	5203⅓	5215	5226⅔	5238⅓	5250	**450**
450	5261⅔	5273⅓	5285	5296⅔	5308⅓	5320	5331⅔	5343⅓	5355	5366⅔	**460**
460	5378⅓	5390	5401⅔	5413⅓	5425	5436⅔	5448⅓	5460	5471⅔	5483⅓	**470**
470	5495	5506⅔	5518⅓	5530	5541⅔	5553⅓	5565	5576⅔	5588⅓	5600	**480**
480	5611⅔	5623⅓	5635	5646⅔	5658⅓	5670	5681⅔	5693⅓	5705	5716⅔	**490**
490	5728⅓	5740	5751⅔	5763⅓	5775	5786⅔	5798⅓	5810	5821⅔	5833⅓	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
5 x28	- 1
7 x20	- 1
10 x14	- 1
2½x28	- 2
3½x20	- 2
5 x14	- 2
7 x10	- 2
8 x 8¾	- 2
1¾x20	- 4
2½x14	- 4
3½x10	- 4
4 x 8¾	- 4
5 x 7	- 4
½x56	- 5
1 x28	- 5
2 x14	- 5
3½x 8	- 5
4 x 7	- 5
¼x80	- 7
½x40	- 7
1 x20	- 7
1¼x16	- 7
2 x10	- 7
2½x 8	- 7
4 x 5	- 7
¼x70	- 8
½x35	- 8
1 x17½	- 8
1¼x14	- 8
1¾x10	- 8
2 x 8¾	- 8
2½x 7	- 8
3½x 5	- 8
¼x56	-10
½x28	-10
1 x14	-10
1¾x 8	-10
2 x 7	-10
⅛x80	-14
¼x40	-14
½x20	-14
1 x10	-14
1¼x 8	-14
2 x 5	-14
2½x 4	-14
⅛x70	-16
¼x35	-16
½x17½	-16
1 x 8¾	-16
1¼x 7	-16
1¾x 5	-16
⅛x56	-20
¼x28	-20
½x14	-20
1 x 7	-20
1¾x 4	-20
2 x 3½	-20
⅛x32	-35
¼x16	-35
½x 8	-35
1 x 4	-35
2 x 2	-35

Size	Lth
4 x40	- 1
8 x20	- 1
10 x16	- 1
2½x32	- 2
4 x20	- 2
5 x16	- 2
8 x10	- 2
½x80	- 4
1 x40	- 4
2 x20	- 4
2½x16	- 4
4 x10	- 4
5 x 8	- 4
½x64	- 5
1 x32	- 5
2 x16	- 5
4 x 8	- 5
¼x80	- 8
½x40	- 8
1 x20	- 8
1¼x16	- 8
2 x10	- 8
2½x 8	- 8
4 x 5	- 8
¼x64	-10
½x32	-10
1 x16	-10
2 x 8	-10
4 x 4	-10
⅛x80	-16
¼x40	-16
½x20	-16
1 x10	-16
1¼x 8	-16
2½x 4	-16
2 x 5	-16
⅛x64	-20
¼x32	-20
½x16	-20
1 x 8	-20
2 x 4	-20
⅛x32	-40
¼x16	-40
½x 8	-40
1 x 4	-40
2 x 2	-40

1 x 10 / 2 x 5 = 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	
	13⅓	26⅔	40	53⅓	66⅔	80	93⅓	106⅔	120	133⅓	10
10	146⅔	160	173⅓	186⅔	200	213⅓	226⅔	240	253⅓	266⅔	20
20	280	293⅓	306⅔	320	333⅓	346⅔	360	373⅓	386⅔	400	30
30	413⅓	426⅔	440	453⅓	466⅔	480	493⅓	506⅔	520	533⅓	40
40	546⅔	560	573⅓	586⅔	600	613⅓	626⅔	640	653⅓	666⅔	50
50	680	693⅓	706⅔	720	733⅓	746⅔	760	773⅓	786⅔	800	60
60	813⅓	826⅔	840	853⅓	866⅔	880	893⅓	906⅔	920	933⅓	70
70	946⅔	960	973⅓	986⅔	1000	1013⅓	1026⅔	1040	1053⅓	1066⅔	80
80	1080	1093⅓	1106⅔	1120	1133⅓	1146⅔	1160	1173⅓	1186⅔	1200	90
90	1213⅓	1226⅔	1240	1253⅓	1266⅔	1280	1293⅓	1306⅔	1320	1333⅓	100
100	1346⅔	1360	1373⅓	1386⅔	1400	1413⅓	1426⅔	1440	1453⅓	1466⅔	110
110	1480	1493⅓	1506⅔	1520	1533⅓	1546⅔	1560	1573⅓	1586⅔	1600	120
120	1613⅓	1626⅔	1640	1653⅓	1666⅔	1680	1693⅓	1706⅔	1720	1733⅓	130
130	1746⅔	1760	1773⅓	1786⅔	1800	1813⅓	1826⅔	1840	1853⅓	1866⅔	140
140	1880	1893⅓	1906⅔	1920	1933⅓	1946⅔	1960	1973⅓	1986⅔	2000	150
150	2013⅓	2026⅔	2040	2053⅓	2066⅔	2080	2093⅓	2106⅔	2120	2133⅓	160
160	2146⅔	2160	2173⅓	2186⅔	2200	2213⅓	2226⅔	2240	2253⅓	2266⅔	170
170	2280	2293⅓	2306⅔	2320	2333⅓	2346⅔	2360	2373⅓	2386⅔	2400	180
180	2413⅓	2426⅔	2440	2453⅓	2466⅔	2480	2493⅓	2506⅔	2520	2533⅓	190
190	2546⅔	2560	2573⅓	2586⅔	2600	2613⅓	2626⅔	2640	2653⅓	2666⅔	200
200	2680	2693⅓	2706⅔	2720	2733⅓	2746⅔	2760	2773⅓	2786⅔	2800	210
210	2813⅓	2826⅔	2840	2853⅓	2866⅔	2880	2893⅓	2906⅔	2920	2933⅓	220
220	2946⅔	2960	2973⅓	2986⅔	3000	3013⅓	3026⅔	3040	3053⅓	3066⅔	230
230	3080	3093⅓	3106⅔	3120	3133⅓	3146⅔	3160	3173⅓	3186⅔	3200	240
240	3213⅓	3226⅔	3240	3253⅓	3266⅔	3280	3293⅓	3306⅔	3320	3333⅓	250
250	3346⅔	3360	3373⅓	3386⅔	3400	3413⅓	3426⅔	3440	3453⅓	3466⅔	260
260	3480	3493⅓	3506⅔	3520	3533⅓	3546⅔	3560	3573⅓	3586⅔	3600	270
270	3613⅓	3626⅔	3640	3653⅓	3666⅔	3680	3693⅓	3706⅔	3720	3733⅓	280
280	3746⅔	3760	3773⅓	3786⅔	3800	3813⅓	3826⅔	3840	3853⅓	3866⅔	290
290	3880	3893⅓	3906⅔	3920	3933⅓	3946⅔	3960	3973⅓	3986⅔	4000	300
300	4013⅓	4026⅔	4040	4053⅓	4066⅔	4080	4093⅓	4106⅔	4120	4133⅓	310
310	4146⅔	4160	4173⅓	4186⅔	4200	4213⅓	4226⅔	4240	4253⅓	4266⅔	320
320	4280	4293⅓	4306⅔	4320	4333⅓	4346⅔	4360	4373⅓	4386⅔	4400	330
330	4413⅓	4426⅔	4440	4453⅓	4466⅔	4480	4493⅓	4506⅔	4520	4533⅓	340
340	4546⅔	4560	4573⅓	4586⅔	4600	4613⅓	4626⅔	4640	4653⅓	4666⅔	350
350	4680	4693⅓	4706⅔	4720	4733⅓	4746⅔	4760	4773⅓	4786⅔	4800	360
360	4813⅓	4826⅔	4840	4853⅓	4866⅔	4880	4893⅓	4906⅔	4920	4933⅓	370
370	4946⅔	4960	4973⅓	4986⅔	5000	5013⅓	5026⅔	5040	5053⅓	5066⅔	380
380	5080	5093⅓	5106⅔	5120	5133⅓	5146⅔	5160	5173⅓	5186⅔	5200	390
390	5213⅓	5226⅔	5240	5253⅓	5266⅔	5280	5293⅓	5306⅔	5320	5333⅓	400
400	5346⅔	5360	5373⅓	5386⅔	5400	5413⅓	5426⅔	5440	5453⅓	5466⅔	410
410	5480	5493⅓	5506⅔	5520	5533⅓	5546⅔	5560	5573⅓	5586⅔	5600	420
420	5613⅓	5626⅔	5640	5653⅓	5666⅔	5680	5693⅓	5706⅔	5720	5783⅓	430
430	5746⅔	5760	5773⅓	5786⅔	5800	5813⅓	5826⅔	5840	5853⅓	5866⅔	440
440	5880	5893⅓	5906⅔	5920	5933⅓	5946⅔	5960	5973⅓	5986⅔	6000	450
450	6013⅓	6026⅔	6040	6053⅓	6066⅔	6080	6093⅓	6106⅔	6120	6133⅓	460
460	6146⅔	6160	6173⅓	6186⅔	6200	6213⅓	6226⅔	6240	6253⅓	6266⅔	470
470	6280	6293⅓	6306⅔	6320	6333⅓	6346⅔	6360	6373⅓	6386⅔	6400	480
480	6413⅓	6426⅔	6440	6453⅓	6466⅔	6480	6493⅓	6506⅔	6520	6533⅓	490
490	6546⅔	6560	6573⅓	6586⅔	6600	6613⅓	6626⅔	6640	6653⅓	6666⅔	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 10 / 2 x 5 = 18

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet	Feet	Feet	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	
	15	30	45	60	75	90	105	120	135	150	**10**
10	165	180	195	210	225	240	255	270	285	300	**20**
20	315	330	345	360	375	390	405	420	435	450	**30**
30	465	480	495	510	525	540	555	570	585	600	**40**
40	615	630	645	660	675	690	705	720	735	750	**50**
50	765	780	795	810	825	840	855	870	885	900	**60**
60	915	930	945	960	975	990	1005	1020	1035	1050	**70**
70	1065	1080	1095	1110	1125	1140	1155	1170	1185	1200	**80**
80	1215	1230	1245	1260	1275	1290	1305	1320	1335	1350	**90**
90	1365	1380	1395	1410	1425	1440	1455	1470	1485	1500	**100**
100	1515	1530	1545	1560	1575	1590	1605	1620	1635	1650	**110**
110	1665	1680	1695	1710	1725	1740	1755	1770	1785	1800	**120**
120	1815	1830	1845	1860	1875	1890	1905	1920	1935	1950	**130**
130	1965	1980	1995	2010	2025	2040	2055	2070	2085	2100	**140**
140	2115	2130	2145	2160	2175	2190	2205	2220	2235	2250	**150**
150	2265	2280	2295	2310	2325	2340	2355	2370	2385	2400	**160**
160	2415	2430	2445	2460	2475	2490	2505	2520	2535	2550	**170**
170	2565	2580	2595	2610	2625	2640	2655	2670	2685	2700	**180**
180	2715	2730	2745	2760	2775	2790	2805	2820	2835	2850	**190**
190	2865	2880	2895	2910	2925	2940	2955	2970	2985	3000	**200**
200	3015	3030	3045	3060	3075	3090	3105	3120	3135	3150	**210**
210	3165	3180	3195	3210	3225	3240	3255	3270	3285	3300	**220**
220	3315	3330	3345	3360	3375	3390	3405	3420	3435	3450	**230**
230	3465	3480	3495	3510	3525	3540	3555	3570	3585	3600	**240**
240	3615	3630	3645	3660	3675	3690	3705	3720	3735	3750	**250**
250	3765	3780	3795	3810	3825	3840	3855	3870	3885	3900	**260**
260	3915	3930	3945	3960	3975	3990	4005	4020	4035	4050	**270**
270	4065	4080	4095	4110	4125	4140	4155	4170	4185	4200	**280**
280	4215	4230	4245	4260	4275	4290	4305	4320	4335	4350	**290**
290	4365	4380	4395	4410	4425	4440	4455	4470	4485	4500	**300**
300	4515	4530	4545	4560	4575	4590	4605	4620	4635	4650	**310**
310	4665	4680	4695	4710	4725	4740	4755	4770	4785	4800	**320**
320	4815	4830	4845	4860	4875	4890	4905	4920	4935	4950	**330**
330	4965	4980	4995	5010	5025	5040	5055	5070	5085	5100	**340**
340	5115	5130	5145	5160	5175	5190	5205	5220	5235	5250	**350**
350	5265	5280	5295	5310	5325	5340	5355	5370	5385	5400	**360**
360	5415	5430	5445	5460	5475	5490	5505	5520	5535	5550	**370**
370	5565	5580	5595	5610	5625	5640	5655	5670	5685	5700	**380**
380	5715	5730	5745	5760	5775	5790	5805	5820	5835	5850	**390**
390	5865	5880	5895	5910	5925	5940	5955	5970	5985	6000	**400**
400	6015	6030	6045	6060	6075	6090	6105	6120	6135	6150	**410**
410	6165	6180	6195	6210	6225	6240	6255	6270	6285	6300	**420**
420	6315	6330	6345	6360	6375	6390	6405	6420	6435	6450	**430**
430	6465	6480	6495	6510	6525	6540	6555	6570	6585	6600	**440**
440	6615	6630	6645	6660	6675	6690	6705	6720	6735	6750	**450**
450	6765	6780	6795	6810	6825	6840	6855	6870	6885	6900	**460**
460	6915	6930	6945	6960	6975	6990	7005	7020	7035	7050	**470**
470	7065	7080	7095	7110	7125	7140	7155	7170	7185	7200	**480**
480	7215	7230	7245	7260	7275	7290	7305	7320	7335	7350	**490**
490	7365	7380	7395	7410	7425	7440	7455	7470	7485	7500	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
6 x30	- 1
10 x18	- 1
12 x15	- 1
7½x24	- 1
3 x30	- 2
3¾x24	- 2
4½x20	- 2
5 x18	- 2
6 x15	- 2
7½x12	- 2
8 x11¼	- 2
9 x10	- 2
2 x30	- 3
2½x24	- 3
3 x20	- 3
4 x15	- 3
5 x12	- 3
6 x10	- 3
7½x 8	- 3
1½x30	- 4
2¼x20	- 4
2½x18	- 4
3 x15	- 4
3¾x12	- 4
4 x11¼	- 4
4½x10	- 4
5 x 9	- 4
6 x 7½	- 4
1½x24	- 5
2 x18	- 5
2¼x16	- 5
3 x12	- 5
4 x 9	- 5
4½x 8	- 5
6 x 6	- 5
1¼x24	- 6
1½x20	- 6
2 x15	- 6
2½x12	- 6
3 x10	- 6
3¾x 8	- 6
4 x 7½	- 6
5 x 6	- 6
1 x22½	- 8
1¼x18	- 8
1½x15	- 8
2¼x10	- 8
2½x 9	- 8
3 x 7½	- 8
3¾x 6	- 8
1 x20	- 9
1¼x16	- 9
2 x10	- 9
2½x 8	- 9
4 x 5	- 9
1 x18	-10
1½x12	-10
2 x 9	-10
2¼x 8	-10
3 x 6	-10
4 x 4½	-10
1 x15	-12
1¼x12	-12
1½x10	-12
2 x 7½	-12
3 x 5	-12
3¾x 4	-12
1 x12	-15
1½x 8	-15
2 x 6	-15
3 x 4	-15
1 x11¼	-16
1¼x 9	-16
1½x 7½	-16
2¼x 5	-16
3 x 3¾	-16
1 x10	-18
1¼x 8	-18
2 x 5	-18
1 x 9	-20
1½x 6	-20
2 x 4½	-20
2¼x 4	-20
3 x 3	-20
1 x 6	-30

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Size	Lth
4 x50	- 1
8 x25	- 1
10 x20	- 1
2 x50	- 2
2½x40	- 2
4 x25	- 2
5 x20	- 2
8 x12½	- 2
10 x10	- 2
1 x50	- 4
2 x25	- 4
2½x20	- 4
4 x12½	- 4
5 x10	- 4
6¼x 8	- 4
½x80	- 5
1 x40	- 5
2 x20	- 5
2½x16	- 5
4 x10	- 5
5 x 8	- 5
¼x100	- 8
½x50	- 8
1 x25	- 8
1¼x20	- 8
2 x12½	- 8
2½x10	- 8
4 x 6¼	- 8
¼x80	-10
½x40	-10
1 x20	-10
1¼x16	-10
2 x10	-10
2½x 8	-10
4 x 5	-10
⅛x100	-16
¼x50	-16
½x25	-16
1 x12½	-16
1¼x10	-16
2 x 6¼	-16
2½x 5	-16
⅛x80	-20
¼x40	-20
½x20	-20
1 x10	-20
1¼x 8	-20
2 x 5	-20
2½x 4	-20
⅛x64	-25
¼x32	-25
½x16	-25
1 x 8	-25
2 x 4	-25
⅛x32	-50
¼x16	-50
½x 8	-50
1 x 4	-50
2 x 2	-50

1 x 10 / 2 x 5 = 20

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	16⅔	33⅓	50	66⅔	83⅓	100	116⅔	133⅓	150	166⅔	10
10	183⅓	200	216⅔	233⅓	250	266⅔	283⅓	300	316⅔	333⅓	20
20	350	366⅔	383⅓	400	416⅔	433⅓	450	466⅔	483⅓	500	30
30	516⅔	533⅓	550	566⅔	583⅓	600	616⅔	633⅓	650	666⅔	40
40	683⅓	700	716⅔	733⅓	750	766⅔	783⅓	800	816⅔	833⅓	50
50	850	866⅔	883⅓	900	916⅔	933⅓	950	966⅔	983⅓	1000	60
60	1016⅔	1033⅓	1050	1066⅔	1083⅓	1100	1116⅔	1133⅓	1150	1166⅔	70
70	1183⅓	1200	1216⅔	1233⅓	1250	1266⅔	1283⅓	1300	1316⅔	1333⅓	80
80	1350	1366⅔	1383⅓	1400	1416⅔	1433⅓	1450	1466⅔	1483⅓	1500	90
90	1516⅔	1533⅓	1550	1566⅔	1583⅓	1600	1616⅔	1633⅓	1650	1666⅔	100
100	1683⅓	1700	1716⅔	1733⅓	1750	1766⅔	1783⅓	1800	1816⅔	1833⅓	110
110	1850	1866⅔	1883⅓	1900	1916⅔	1933⅓	1950	1966⅔	1983⅓	2000	120
120	2016⅔	2033⅓	2050	2066⅔	2083⅓	2100	2116⅔	2133⅓	2150	2166⅔	130
130	2183⅓	2200	2216⅔	2233⅓	2250	2266⅔	2283⅓	2300	2316⅔	2333⅓	140
140	2350	2366⅔	2383⅓	2400	2416⅔	2433⅓	2450	2466⅔	2483⅓	2500	150
150	2516⅔	2533⅓	2550	2566⅔	2583⅓	2600	2616⅔	2633⅓	2650	2666⅔	160
160	2683⅓	2700	2716⅔	2733⅓	2750	2766⅔	2783⅓	2800	2816⅔	2833⅓	170
170	2850	2866⅔	2883⅓	2900	2916⅔	2933⅓	2950	2966⅔	2983⅓	3000	180
180	3016⅔	3033⅓	3050	3066⅔	3083⅓	3100	3116⅔	3133⅓	3150	3166⅔	190
190	3183⅓	3200	3216⅔	3233⅓	3250	3266⅔	3283⅓	3300	3316⅔	3333⅓	200
200	3350	3366⅔	3383⅓	3400	3416⅔	3433⅓	3450	3466⅔	3483⅓	3500	210
210	3516⅔	3533⅓	3550	3566⅔	3583⅓	3600	3616⅔	3633⅓	3650	3666⅔	220
220	3683⅓	3700	3716⅔	3733⅓	3750	3766⅔	3783⅓	3800	3816⅔	3833⅓	230
230	3850	3866⅔	3883⅓	3900	3916⅔	3933⅓	3950	3966⅔	3983⅓	4000	240
240	4016⅔	4033⅓	4050	4066⅔	4083⅓	4100	4116⅔	4133⅓	4150	4166⅔	250
250	4183⅓	4200	4216⅔	4233⅓	4250	4266⅔	4283⅓	4300	4316⅔	4333⅓	260
260	4350	4366⅔	4383⅓	4400	4416⅔	4433⅓	4450	4466⅔	4483⅓	4500	270
270	4516⅔	4533⅓	4550	4566⅔	4583⅓	4600	4616⅔	4633⅓	4650	4666⅔	280
280	4683⅓	4700	4716⅔	4733⅓	4750	4766⅔	4783⅓	4800	4816⅔	4833⅓	290
290	4850	4866⅔	4883⅓	4900	4916⅔	4933⅓	4950	4966⅔	4983⅓	5000	300
300	5016⅔	5033⅓	5050	5066⅔	5083⅓	5100	5116⅔	5133⅓	5150	5166⅔	310
310	5183⅓	5200	5216⅔	5233⅓	5250	5266⅔	5283⅓	5300	5316⅔	5333⅓	320
320	5350	5366⅔	5383⅓	5400	5416⅔	5433⅓	5450	5466⅔	5483⅓	5500	330
330	5516⅔	5533⅓	5550	5566⅔	5583⅓	5600	5616⅔	5633⅓	5650	5666⅔	340
340	5683⅓	5700	5716⅔	5733⅓	5750	5766⅔	5783⅓	5800	5816⅔	5833⅓	350
350	5850	5866⅔	5883⅓	5900	5916⅔	5933⅓	5950	5966⅔	5983⅓	6000	360
360	6016⅔	6033⅓	6050	6066⅔	6083⅓	6100	6116⅔	6133⅓	6150	6166⅔	370
370	6183⅓	6200	6216⅔	6233⅓	6250	6266⅔	6283⅓	6300	6316⅔	6333⅓	380
380	6350	6366⅔	6383⅓	6400	6416⅔	6433⅓	6450	6466⅔	6483⅓	6500	390
390	6516⅔	6533⅓	6550	6566⅔	6583⅓	6600	6616⅔	6633⅓	6650	6666⅔	400
400	6683⅓	6700	6716⅔	6733⅓	6750	6766⅔	6783⅓	6800	6816⅔	6833⅓	410
410	6850	6866⅔	6883⅓	6900	6916⅔	6933⅓	6950	6966⅔	6983⅓	7000	420
420	7016⅔	7033⅓	7050	7066⅔	7083⅓	7100	7116⅔	7133⅓	7150	7166⅔	430
430	7183⅓	7200	7216⅔	7233⅓	7250	7266⅔	7283⅓	7300	7316⅔	7333⅓	440
440	7350	7366⅔	7383⅓	7400	7416⅔	7433⅓	7450	7466⅔	7483⅓	7500	450
450	7516⅔	7533⅓	7550	7566⅔	7583⅓	7600	7616⅔	7633⅓	7650	7666⅔	460
460	7683⅓	7700	7716⅔	7733⅓	7750	7766⅔	7783⅓	7800	7816⅔	7833⅓	470
470	7850	7866⅔	7883⅓	7900	7916⅔	7933⅓	7950	7966⅔	7983⅓	8000	480
480	8016⅔	8033⅓	8050	8066⅔	8083⅓	8100	8116⅔	8133⅓	8150	8166⅔	490
490	8183⅓	8200	8216⅔	8233⅓	8250	8266⅔	8283⅓	8300	8316⅔	8333⅓	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 X 11 / 2 X 5½ = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	5½	11	16½	22	27½	33	38½	44	49½	55	**10**
10	60½	66	71½	77	82½	88	93½	99	104½	110	**20**
20	115½	121	126½	132	137½	143	148½	154	159½	165	**30**
30	170½	176	181½	187	192½	198	203½	209	214½	220	**40**
40	225½	231	236½	242	247½	253	258½	264	269½	275	**50**
50	280½	286	291½	297	302½	308	313½	319	324½	330	**60**
60	335½	341	346½	352	357½	363	368½	374	379½	385	**70**
70	390½	396	401½	407	412½	418	423½	429	434½	440	**80**
80	445½	451	456½	462	467½	473	478½	484	489½	495	**90**
90	500½	506	511½	517	522½	528	533½	539	544½	550	**100**

1 X 11 / 2 X 5½ = 8

	7⅓	14⅔	22	29⅓	36⅔	44	51⅓	58⅔	66	73⅓	**10**
10	80⅔	88	95⅓	102⅔	110	117⅓	124⅔	132	139⅓	146⅔	**20**
20	154	161⅓	168⅔	176	183⅓	190⅔	198	205⅓	212⅔	220	**30**
30	227⅓	234⅔	242	249⅓	256⅔	264	271⅓	278⅔	286	293⅓	**40**
40	300⅔	308	315⅓	322⅔	330	337⅓	344⅔	352	359⅓	366⅔	**50**
50	374	381⅓	388⅔	396	403⅓	410⅔	418	425⅓	432⅔	440	**60**
60	447⅓	454⅔	462	469⅓	476⅔	484	491⅓	498⅔	506	513⅓	**70**
70	520⅔	528	535⅓	542⅔	550	557⅓	564⅔	572	579⅓	586⅔	**80**
80	594	601⅓	608⅔	616	623⅓	630⅔	638	645⅓	652⅔	660	**90**
90	667⅓	674⅔	682	689⅓	696⅔	704	711⅓	718⅔	726	733⅓	**100**

1 X 11 / 2 X 5½ = 10

	9⅙	18⅓	27½	36⅔	45⅚	55	64⅙	73⅓	82½	91⅔	**10**
10	100⅚	110	119⅙	128⅓	137½	146⅔	155⅚	165	174⅙	183⅓	**20**
20	192½	201⅔	210⅚	220	229⅙	238⅓	247½	256⅔	265⅚	275	**30**
30	284⅙	293⅓	302½	311⅔	320⅚	330	339⅙	348⅓	357½	366⅔	**40**
40	375⅚	385	394⅙	403⅓	412½	421⅔	430⅚	440	449⅙	458⅓	**50**
50	467½	476⅔	485⅚	495	504⅙	513⅓	522½	531⅔	540⅚	550	**60**
60	559⅙	568⅓	577½	586⅔	595⅚	605	614⅙	623⅓	632½	641⅔	**70**
70	650⅚	660	669⅙	678⅓	687½	696⅔	705⅚	715	724⅙	733⅓	**80**
80	742½	751⅔	760⅚	770	779⅙	788⅓	797½	806⅔	815⅚	825	**90**
90	834⅙	843⅓	852½	861⅔	870⅚	880	889⅙	898⅓	907½	916⅔	**100**

1 X 11 / 2 X 5½ = 12

	11	22	33	44	55	66	77	88	99	110	**10**
10	121	132	143	154	165	176	187	198	209	220	**20**
20	231	242	253	264	275	286	297	308	319	330	**30**
30	341	352	363	374	385	396	407	418	429	440	**40**
40	451	462	473	484	495	506	517	528	539	550	**50**
50	561	572	583	594	605	616	627	638	649	660	**60**
60	671	682	693	704	715	726	737	748	759	770	**70**
70	781	792	803	814	825	836	847	858	869	880	**80**
80	891	902	913	924	935	946	957	968	979	990	**90**
90	1001	1012	1023	1034	1045	1056	1067	1078	1089	1100	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
3 x22	1
5½x12	1
8 x 8¼	1
2¾x12	2
3 x11	2
4 x 8¼	2
5½x 6	2
2 x11	3
2¾x 8	3
1 x 5½	3
1 x16½	4
1½x11	4
2 x 8¼	4
2¾x 6	4
3 x 5½	4
2 x 5½	6
2¾x 4	6
1 x 8¼	8
1½x 5½	8
2¾x 3	8
1½x 4	11
2 x 3	11
1 x 5½	12

Size	Lth
4 x22	1
5½x16	1
8 x11	1
2 x22	2
4 x11	2
5½x 8	2
1 x22	4
2 x11	4
2¾x 8	4
4 x 5½	4
1 x11	8
2 x 5½	8
2¾x 4	8
1 x 8	11
2 x 4	11
1 x 5½	16
2 x 2¾	16
1 x 4	22

Size	Lth
5 x22	1
8 x13¾	1
4 x13¾	2
5 x11	2
2½x11	4
2¾x10	4
2 x11	5
2¾x 8	5
4 x 5½	5
1 x13¾	8
1¼x11	8
2½x 5½	8
2¾x 5	8
1 x10	11
1¼x 8	11
2 x 5	11
1¼x 5½	16
2½x 2¾	16

Size	Lth
1 x16½	8
1½x11	8
2 x 8¼	8
2¾x 6	8
3 x 5½	8
1 x12	11
1½x 8	11
2 x 6	11
3 x 4	11
1 x11	12
2 x 5½	12
1 x 8¼	16
1½x 5½	16
2¾x 3	16
⅛x48	22
¼x24	22
½x12	22
1 x 6	22
2 x 3	22
1 x 4	33

See Page 87, Table No. 1, for Other …

Size Lth

7 x22 - 1
11 x14 - 1
5½x14 - 2
7 x11 - 2
1¾x22 - 4
2¾x14 - 4
3½x11 - 4
5½x 7 - 4
1 x22 - 7
2 x11 - 7
4 x 5½- 7
3½x 5½- 8
1¾x11 - 8
2¾x 7 - 8
1 x14 -11
1¾x 8 -11
2 x 7 -11
3½x 4 -11
¼x44 -14
½x22 -14
1 x11 -14
2 x 5½-14

½ X 1 1/5½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	12⅝	25⅜	38½	51⅓	64⅛	77	89⅞	102⅝	115½	128⅓	10
10	141⅓	154	166⅝	179⅜	192½	205⅓	218⅛	231	243⅝	256⅜	20
20	269½	282⅓	295⅛	308	320⅝	333⅜	346½	359⅓	372⅛	385	30
30	397⅞	410⅝	423½	436⅓	449⅛	462	474⅝	487⅜	500½	513⅓	40
40	526⅛	539	551⅝	564⅜	577½	590⅓	603⅛	616	628⅝	641⅜	50
50	654½	667⅓	680⅛	693	705⅝	718⅜	731½	744⅓	757⅛	770	60
60	782⅝	795⅜	808½	821⅓	834⅛	847	859⅝	872⅜	885½	898⅓	70
70	911⅛	924	936⅝	949⅜	962½	975⅓	988⅛	1001	1013⅝	1026⅜	80
80	1039½	1052⅓	1065⅛	1078	1090⅝	1103⅜	1116½	1129⅓	1142⅛	1155	90
90	1167⅞	1180⅝	1193½	1206⅓	1219⅛	1232	1244⅝	1257⅜	1270½	1283⅓	100

5½x32 - 1
8 x22 - 1
11 x16 - 1
4 x22 - 2
8 x11 - 2
2 x22 - 4
2¾x16 - 4
4 x11 - 4
5½x 8 - 4
1 x22 - 8
2 x11 - 8
2¾x 8 - 8
4 x 5½- 8
1 x16 -11
2 x 8 -11
4 x 4 -11
1 x 8 -22
2 x 4 -22

½ X 1 1/5½ = 16

	14⅜	29⅓	44	58⅝	73⅓	88	102⅝	117⅓	132	146⅔	10
10	161⅓	176	190⅜	205⅓	220	234⅔	249⅓	264	278⅜	293⅓	20
20	308	322⅜	337⅓	352	366⅜	381⅓	396	410⅜	425⅓	440	30
30	454⅜	469⅓	484	498⅜	513⅓	528	542⅜	557⅓	572	586⅜	40
40	601⅓	616	630⅜	645⅓	660	674⅜	689⅓	704	718⅜	733⅓	50
50	748	762⅜	777⅓	792	806⅜	821⅓	836	850⅜	865⅓	880	60
60	894⅜	909⅓	924	938⅜	953⅓	968	982⅜	997⅓	1012	1026⅜	70
70	1041⅓	1056	1070⅜	1085⅓	1100	1114⅜	1129⅓	1144	1158⅜	1173⅓	80
80	1188	1202⅜	1217⅓	1232	1246⅜	1261⅓	1276	1290⅜	1305⅓	1320	90
90	1334⅜	1349⅓	1364	1378⅜	1393⅓	1408	1422⅜	1437⅓	1452	1466⅔	100

9 x11 - 2
3 x11 - 6
4 x 8¼- 6
1 x22 - 9
2 x11 - 9
4 x 5½- 9
1 x18 -11
2 x 9 -11
2¼x 8 -11
3 x 6 -11
4 x 4½-11
1 x16½-12
2 x 8¼-12
3 x 5½-12
1 x 9 -22
2 x 4½-22
3 x 3 -22
1 x 6 -33

½ X 1 1/5½ = 18

	16½	33	49½	66	82½	99	115½	132	148½	165	10
10	181½	198	214½	231	247½	264	280½	297	313½	330	20
20	346½	363	379½	396	412½	429	445½	462	478½	495	30
30	511½	528	544½	561	577½	594	610½	627	643½	660	40
40	676½	693	709½	726	742½	759	775½	792	808½	825	50
50	841½	858	874½	891	907½	924	940½	957	973½	990	60
60	1006½	1023	1039½	1056	1072½	1089	1105½	1122	1138½	1155	70
70	1171½	1188	1204½	1221	1237½	1254	1270½	1287	1303½	1320	80
80	1336½	1353	1369½	1386	1402½	1419	1435½	1452	1468½	1485	90
90	1501½	1518	1534½	1551	1567½	1584	1600½	1617	1633½	1650	100

10 x22 - 1
11 x20 - 1
5 x22 - 2
8 x13¾- 2
10 x11 - 2
2½x22 - 4
4 x13¾- 4
5 x11 - 4
5½x10 - 4
1 x44 - 5
2 x22 - 5
4 x11 - 5
5½x 8 - 5
1¼x22 - 8
2 x13¾- 8
2½x11 - 8
2¾x10 - 8
5 x 5½- 8
1 x22 -10
2 x11 -10
2¾x18 -10
4 x 5½-10

½ X 1 1/5½ = 20

	18⅓	36⅔	55	73⅓	91⅔	110	128⅓	146⅔	165	183⅓	10
10	201⅔	220	238⅓	256⅔	275	293⅓	311⅔	330	348⅓	366⅔	20
20	385	403⅓	421⅔	440	458⅓	476⅔	495	513⅓	531⅔	550	30
30	568⅓	586⅔	605	623⅓	641⅔	660	678⅓	696⅔	715	733⅓	40
40	751⅔	770	788⅓	806⅔	825	843⅓	861⅔	880	898⅓	916⅔	50
50	935	953⅓	971⅔	990	1008⅓	1026⅔	1045	1063⅓	1081⅔	1100	60
60	1118⅓	1136⅔	1155	1173⅓	1191⅔	1210	1228⅓	1246⅔	1265	1283⅓	70
70	1301⅔	1320	1338⅓	1356⅔	1375	1393⅓	1411⅔	1430	1448⅓	1466⅔	80
80	1485	1503⅓	1521⅔	1540	1558⅓	1576⅔	1595	1613⅓	1631⅔	1650	90
90	1668⅓	1686⅔	1705	1723⅓	1741⅔	1760	1778⅓	1796⅔	1815	1833⅓	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x11
2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 12, 2 x 6, 3 x 4 = 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	4	8	12	16	20	24	28	32	36	40	**10**
10	44	48	52	56	60	64	68	72	76	80	**20**
20	84	88	92	96	100	104	108	112	116	120	**30**
30	124	128	132	136	140	144	148	152	156	160	**40**
40	164	168	172	176	180	184	188	192	196	200	**50**
50	204	208	212	216	220	224	228	232	236	240	**60**
60	244	248	252	256	260	264	268	272	276	280	**70**
70	284	288	292	296	300	304	308	312	316	320	**80**
80	324	328	332	336	340	344	348	352	356	360	**90**
90	364	368	372	376	380	384	388	392	396	400	**100**

1 x 12, 2 x 6, 3 x 4 = 6

	6	12	18	24	30	36	42	48	54	60	**10**
10	66	72	78	84	90	96	102	108	114	120	**20**
20	126	132	138	144	150	156	162	168	174	180	**30**
30	186	192	198	204	210	216	222	228	234	240	**40**
40	246	252	258	264	270	276	282	288	294	300	**50**
50	306	312	318	324	330	336	342	348	354	360	**60**
60	366	272	378	384	390	396	402	408	414	420	**70**
70	426	432	438	444	450	456	462	468	474	480	**80**
80	486	492	498	504	510	516	522	528	534	540	**90**
90	546	552	558	564	570	576	582	588	594	600	**100**

1 x 12, 2 x 6, 3 x 4 = 8

	8	16	24	32	40	48	56	64	72	80	**10**
10	88	96	104	112	120	128	136	144	152	160	**20**
20	168	176	184	192	200	208	216	224	232	240	**30**
30	248	256	264	272	280	288	296	304	312	320	**40**
40	328	336	344	352	360	368	376	384	392	400	**50**
50	408	416	424	432	440	448	456	464	472	480	**60**
60	488	496	504	512	520	528	536	544	552	560	**70**
70	568	576	584	592	600	608	616	624	632	640	**80**
80	648	656	664	672	680	688	696	704	712	720	**90**
90	728	736	744	752	760	768	776	784	792	800	**100**

1 x 12, 2 x 6, 3 x 4 = 10

	10	20	30	40	50	60	70	80	90	100	**10**
10	110	120	130	140	150	160	170	180	190	200	**20**
20	210	220	230	240	250	260	270	280	290	300	**30**
30	310	320	330	340	350	360	370	380	390	400	**40**
40	410	420	430	440	450	460	470	480	490	500	**50**
50	510	520	530	540	550	560	570	580	590	600	**60**
60	610	620	630	640	650	660	670	680	690	700	**70**
70	710	720	730	740	750	760	770	780	790	800	**80**
80	810	820	830	840	850	860	870	880	890	900	**90**
90	910	920	930	940	950	960	970	980	990	1000	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
1½x32	- 1
2 x24	- 1
3 x16	- 1
4 x12	- 1
6 x 8	- 1
½x48	- 2
1 x24	- 2
1½x16	- 2
2 x12	- 2
3 x 8	- 2
4 x 6	- 2
¼x64	- 3
½x32	- 3
1 x16	- 3
2 x 8	- 3
4 x 4	- 3
¼x48	- 4
½x24	- 4
1 x12	- 4
1½x 8	- 4
2 x 6	- 4
3 x 4	- 4
⅛x64	- 6
¼x32	- 6
3 x24	- 1
4 x18	- 1
4½x16	- 1
6 x12	- 1
8 x 9	- 1
1½x24	- 2
2 x18	- 2
2¼x16	- 2
3 x12	- 2
4 x 9	- 2
4½x 8	- 2
6 x 6	- 2
¼x96	- 3
½x48	- 3
1 x24	- 3
1½x16	- 3
2 x12	- 3
3 x 8	- 3
4 x 6	- 3
1 x96	- 1
2 x48	- 1
4 x24	- 1
6 x16	- 1
8 x12	- 1
½x96	- 2
1 x48	- 2
1½x32	- 2
2 x24	- 2
3 x16	- 2
4 x12	- 2
6 x 8	- 2
½x64	- 3
1 x32	- 3
2 x16	- 3
4 x 8	- 3
¼x96	- 4
½x48	- 4
1 x24	- 4
4 x30	- 1
5 x24	- 1
6 x20	- 1
7½x16	- 1
8 x15	- 1
10 x12	- 1
1 x60	- 2
2 x30	- 2
2½x24	- 2
3 x20	- 2
3¾x16	- 2
4 x15	- 2
5 x12	- 2
6 x10	- 2
7½x 8	- 2
½x80	- 3
1 x40	- 3
2 x20	- 3
2½x16	- 3
4 x10	- 3
5 x 8	- 3

For Complete Table, See Page 28 or 41.

Size	Lth
3 x48	- 1
6 x24	- 1
8 x18	- 1
9 x16	- 1
12 x12	- 1
2 x36	- 2
2¼x32	- 2
3 x24	- 2
4½x16	- 2
4 x18	- 2
6 x12	- 2
8 x 9	- 2
½x96	- 3
1 x48	- 3
1½x32	- 3
2 x24	- 3
3 x16	- 3
4 x12	- 3
6 x 8	- 3
½x72	- 4
1 x36	- 4
1½x24	- 4
2 x18	- 4
2¼x16	- 4
3 x12	- 4
4½x 8	- 4
4 x 9	- 4
6 x 6	- 4
¼x96	- 6
½x48	- 6
1 x24	- 6
1½x16	- 6
2 x12	- 6
3 x 8	- 6
4 x 6	- 6
¼x72	- 8
½x36	- 8
1 x18	- 8
1½x12	- 8
2 x 9	- 8
2¼x 8	- 8
3 x 6	- 8
4 x 4½	- 8
¼x64	- 9
½x32	- 9
1 x16	- 9
2 x 8	- 9
4 x 4	- 9
⅛x96	-12
¼x48	-12
½x24	-12
1 x12	-12
1½x 8	-12
2 x 6	-12
3 x 4	-12
⅛x72	-16
¼x36	-16
½x18	-16
1 x 9	-16
1½x 6	-16
2 x 4½	-16
2¼x 4	-16
3 x 3	-16
⅛x64	-18
¼x32	-18
½x16	-18
1 x 8	-18
2 x 4	-18
⅛x48	-24
¼x24	-24
½x12	-24
1 x 6	-24
2 x 3	-24
⅛x32	-36
¼x16	-36
½x 8	-36
1 x 4	-36
2 x 2	-36

1 x 12, 2 x 6, 3 x 4 = 12

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	12	24	36	48	60	72	84	96	108	120	**10**
10	132	144	156	168	180	192	204	216	228	240	**20**
20	252	264	276	288	300	312	324	336	348	360	**30**
30	372	384	396	408	420	432	444	456	468	480	**40**
40	492	504	516	528	540	552	564	576	588	600	**50**
50	612	624	636	648	660	672	684	696	708	720	**60**
60	732	744	756	768	780	792	804	816	828	840	**70**
70	852	864	876	888	900	912	924	936	948	960	**80**
80	972	984	996	1008	1020	1032	1044	1056	1068	1080	**90**
90	1092	1104	1116	1128	1140	1152	1164	1176	1188	1200	**100**
100	1212	1224	1236	1248	1260	1272	1284	1296	1308	1320	**110**
110	1332	1344	1356	1368	1380	1392	1404	1416	1428	1440	**120**
120	1452	1464	1476	1488	1500	1512	1524	1536	1548	1560	**130**
130	1572	1584	1596	1608	1620	1632	1644	1656	1668	1680	**140**
140	1692	1704	1716	1728	1740	1752	1764	1776	1788	1800	**150**
150	1812	1824	1836	1848	1860	1872	1884	1896	1908	1920	**160**
160	1932	1944	1956	1968	1980	1992	2004	2016	2028	2040	**170**
170	2052	2064	2076	2088	2100	2112	2124	2136	2148	2160	**180**
180	2172	2184	2196	2208	2220	2232	2244	2256	2268	2280	**190**
190	2292	2304	2316	2328	2340	2352	2364	2376	2388	2400	**200**
200	2412	2424	2436	2448	2460	2472	2484	2496	2508	2520	**210**
210	2532	2544	2556	2568	2580	2592	2604	2616	2628	2640	**220**
220	2652	2664	2676	2088	2700	2712	2724	2736	2748	2760	**230**
230	2772	2784	2796	2808	2820	2832	2844	2856	2868	2880	**240**
240	2892	2904	2916	2928	2940	2952	2964	2976	2988	3000	**250**
250	3012	3024	3036	3048	3060	3072	3084	3096	3108	3120	**260**
260	3132	3144	3156	3168	3180	3192	3204	3216	3228	3240	**270**
270	3252	3264	3276	3288	3300	3312	3324	3336	3348	3360	**280**
280	3372	3384	3396	3408	3420	3432	3444	3456	3468	3480	**290**
290	3492	3504	3516	3528	3540	3552	3564	3576	3588	3600	**300**
300	3612	3624	3636	3648	3660	3672	3684	3696	3708	3720	**310**
310	3732	3744	3756	3768	3780	3792	3804	3816	3828	3840	**320**
320	3852	3864	3876	3888	3900	3912	3924	3936	3948	3960	**330**
330	3972	3984	3996	4008	4020	4032	4044	4056	4068	4080	**340**
340	4092	4104	4116	4128	4140	4152	4164	4176	4188	4200	**350**
350	4212	4224	4236	4248	4260	4272	4284	4296	4308	4320	**360**
360	4332	4344	4356	4368	4380	4392	4404	4416	4428	4440	**370**
370	4452	4464	4476	4488	4500	4512	4524	4536	4548	4560	**380**
380	4572	4584	4596	4608	4620	4632	4644	4656	4668	4680	**390**
390	4692	4704	4716	4728	4740	4752	4764	4776	4788	4800	**400**
400	4812	4824	4836	4848	4860	4872	4884	4896	4908	4920	**410**
410	4932	4944	4956	4968	4980	4992	5004	5016	5028	5040	**420**
420	5052	5064	5076	5088	5100	5112	5124	5136	5148	5160	**430**
430	5172	5184	5196	5208	5220	5232	5244	5256	5268	5280	**440**
440	5292	5304	5316	5328	5340	5352	5364	5376	5388	5400	**450**
450	5412	5424	5436	5448	5460	5472	5484	5496	5508	5520	**460**
460	5532	5544	5556	5568	5580	5592	5604	5616	5628	5640	**470**
470	5652	5664	5676	5688	5700	5712	5724	5736	5748	5760	**480**
480	5772	5784	5796	5808	5820	5832	5844	5856	5868	5880	**490**
490	5892	5904	5916	5928	5940	5952	5964	5976	5988	6000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2x6
1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 12
2 x 6 = 14
3 x 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	14	28	42	56	70	84	98	112	126	140	10
10	154	168	182	196	210	224	238	252	266	280	20
20	294	308	322	336	350	364	378	392	406	420	30
30	434	448	462	476	490	504	518	532	546	560	40
40	574	588	602	616	630	644	658	672	686	700	50
50	714	728	742	756	770	784	798	812	826	840	60
60	854	868	882	896	910	924	938	952	966	980	70
70	994	1008	1022	1036	1050	1064	1078	1092	1106	1120	80
80	1134	1148	1162	1176	1190	1204	1218	1232	1246	1260	90
90	1274	1288	1302	1316	1330	1344	1358	1372	1386	1400	100
100	1414	1428	1442	1456	1470	1484	1498	1512	1526	1540	110
110	1554	1568	1582	1596	1610	1624	1638	1652	1666	1680	120
120	1694	1708	1722	1736	1750	1764	1778	1792	1806	1820	130
130	1834	1848	1862	1876	1890	1904	1918	1932	1946	1960	140
140	1974	1988	2002	2016	2030	2044	2058	2072	2086	2100	150
150	2114	2128	2142	2156	2170	2184	2198	2212	2226	2240	160
160	2254	2268	2282	2296	2310	2324	2338	2352	2366	2380	170
170	2394	2408	2422	2436	2450	2464	2478	2492	2506	2520	180
180	2534	2548	2562	2576	2590	2604	2618	2632	2646	2660	190
190	2674	2688	2702	2716	2730	2744	2758	2772	2786	2800	200
200	2814	2828	2842	2856	2870	2884	2898	2912	2926	2940	210
210	2954	2968	2982	2996	3010	3024	3038	3052	3066	3080	220
220	3094	3108	3122	3136	3150	3164	3178	3192	3206	3220	230
230	3234	3248	3262	3276	3290	3304	3318	3332	3346	3360	240
240	3374	3388	3402	3416	3430	3444	3458	3472	3486	3500	250
250	3514	3528	3542	3556	3570	3584	3598	3612	3626	3640	260
260	3654	3668	3682	3696	3710	3724	3738	3752	3766	3780	270
270	3794	3808	3822	3836	3850	3864	3878	3892	3906	3920	280
280	3934	3948	3962	3976	3990	4004	4018	4032	4046	4060	290
290	4074	4088	4102	4116	4130	4144	4158	4172	4186	4200	300
300	4214	4228	4242	4256	4270	4284	4298	4312	4326	4340	310
310	4354	4368	4382	4396	4410	4424	4438	4452	4466	4480	320
320	4494	4508	4522	4536	4550	4564	4578	4592	4606	4620	330
330	4634	4648	4662	4676	4690	4704	4718	4732	4746	4760	340
340	4774	4788	4802	4816	4830	4844	4858	4872	4886	4900	350
350	4914	4928	4942	4956	4970	4984	4998	5012	5026	5040	360
360	5054	5068	5082	5096	5110	5124	5138	5152	5166	5180	370
370	5194	5208	5222	5236	5250	5264	5278	5292	5306	5320	380
380	5334	5348	5362	5376	5390	5404	5418	5432	5446	5460	390
390	5474	5488	5502	5516	5530	5544	5558	5572	5586	5600	400
400	5614	5628	5642	5656	5670	5684	5698	5712	5726	5740	410
410	5754	5768	5782	5796	5810	5824	5838	5852	5866	5880	420
420	5894	5908	5922	5936	5950	5964	5978	5992	6006	6020	430
430	6034	6048	6062	6076	6090	6104	6118	6132	6146	6160	440
440	6174	6188	6202	6216	6230	6244	6258	6272	6286	6300	450
450	6314	6328	6342	6356	6370	6384	6398	6412	6426	6440	460
460	6454	6468	6482	6496	6510	6524	6538	6552	6566	6580	470
470	6594	6608	6622	6636	6650	6664	6678	6692	6706	6720	480
480	6734	6748	6762	6776	6790	6804	6818	6832	6846	6860	490
490	6874	6888	6902	6916	6930	6944	6958	6972	6986	7000	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
3 x56	1
6 x28	1
8 x21	1
12 x14	1
3 x28	2
3½x24	2
4 x21	2
5¼x16	2
6 x14	2
7 x12	2
1 x56	3
2 x28	3
3½x16	3
4 x14	3
7 x 8	3
2 x21	4
3 x14	4
3½x12	4
4 x10½	4
5¼x 8	4
6 x 7	4
½x56	6
1 x28	6
1¾x16	6
2 x14	6
4 x 7	6
¼x96	7
½x48	7
1 x24	7
1½x16	7
2 x12	7
3 x 8	7
4 x 6	7
¼x84	8
½x42	8
1 x21	8
1½x14	8
1¾x12	8
2 x10½	8
3 x 7	8
3½x 6	8
4 x 5¼	8
¼x56	12
½x28	12
1 x14	12
1¾x 8	12
2 x 7	12
3½x 4	12
⅛x96	14
¼x48	14
½x24	14
1 x12	14
1½x 8	14
2 x 6	14
3 x 4	14
⅛x84	16
¼x42	16
½x21	16
1 x10½	16
1½x 7	16
1¾x 6	16
2 x 5¼	16
3 x 3½	16
⅛x64	21
¼x32	21
½x16	21
1 x 8	21
2 x 4	21
⅛x48	28
¼x24	28
½x12	28
1 x 6	28
2 x 3	28
⅛x32	42
¼x16	42
½x 8	42
1 x 4	42
2 x 2	42

Size	Lth
2 x96	- 1
4 x48	- 1
8 x24	- 1
12 x16	- 1
1 x96	- 2
2 x48	- 2
4 x24	- 2
8 x12	- 2
6 x16	- 2
1 x64	- 3
2 x32	- 3
4 x16	- 3
8 x 8	- 3
½x96	- 4
1 x48	- 4
2 x24	- 4
4 x12	- 4
6 x 8	- 4
½x64	- 6
1 x32	- 6
2 x16	- 6
4 x 8	- 6
¼x96	- 8
½x48	- 8
1 x24	- 8
2 x12	- 8
1½x16	- 8
3 x 8	- 8
4 x 6	- 8
¼x64	-12
½x32	-12
1 x16	-12
2 x 8	-12
4 x 4	-12
⅛x96	-16
¼x48	-16
½x24	-16
1 x12	-16
1½x 8	-16
2 x 6	-16
3 x 4	-16
⅛x64	-24
¼x32	-24
½x16	-24
1 x 8	-24
2 x 4	-24
⅛x48	-32
¼x24	-32
½x12	-32
1 x 6	-32
2 x 3	-32
⅛x32	-48
¼x16	-48
½x 8	-48
1 x 4	-48
2 x 2	-48

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1 x 12, 2 x 6, 3 x 4 = 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	
	16	32	48	64	80	96	112	128	144	160	**10**
10	176	192	208	224	240	256	272	288	304	320	**20**
20	336	352	368	384	400	416	432	448	464	480	**30**
30	496	512	528	544	560	576	592	608	624	640	**40**
40	656	672	688	704	720	736	752	768	784	800	**50**
50	816	832	848	864	880	896	912	928	944	960	**60**
60	976	992	1008	1024	1040	1056	1072	1088	1104	1120	**70**
70	1136	1152	1168	1184	1200	1216	1232	1248	1264	1280	**80**
80	1296	1312	1328	1344	1360	1376	1392	1408	1424	1440	**90**
90	1456	1472	1488	1504	1520	1536	1552	1568	1584	1600	**100**
100	1616	1632	1648	1664	1680	1696	1712	1728	1744	1760	**110**
110	1776	1792	1808	1824	1840	1856	1872	1888	1904	1920	**120**
120	1936	1952	1968	1984	2000	2016	2032	2048	2064	2080	**130**
130	2096	2112	2128	2144	2160	2176	2192	2208	2224	2240	**140**
140	2256	2272	2288	2304	2320	2336	2352	2368	2384	2400	**150**
150	2416	2432	2448	2464	2480	2496	2512	2528	2544	2560	**160**
160	2576	2592	2608	2624	2640	2656	2672	2688	2704	2720	**170**
170	2736	2752	2768	2784	2800	2816	2832	2848	2864	2880	**180**
180	2896	2912	2928	2944	2960	2976	2992	3008	3024	3040	**190**
190	3056	3072	3088	3104	3120	3136	3152	3168	3184	3200	**200**
200	3216	3232	3248	3264	3280	3296	3312	3328	3344	3360	**210**
210	3376	3392	3408	3424	3440	3456	3472	3488	3504	3520	**220**
220	3536	3552	3568	3584	3600	3616	3632	3648	3664	3680	**230**
230	3696	3712	3728	3744	3760	3776	3792	3808	3824	3840	**240**
240	3856	3872	3888	3904	3920	3936	3952	3968	3984	4000	**250**
250	4016	4032	4048	4064	4080	4096	4112	4128	4144	4160	**260**
260	4176	4192	4208	4224	4240	4256	4272	4288	4304	4320	**270**
270	4336	4352	4368	4384	4400	4416	4432	4448	4464	4480	**280**
280	4496	4512	4528	4544	4560	4576	4592	4608	4624	4640	**290**
290	4656	4672	4688	4704	4720	4736	4752	4768	4784	4800	**300**
300	4816	4832	4848	4864	4880	4896	4912	4928	4944	4960	**310**
310	4976	4992	5008	5024	5040	5056	5072	5088	5104	5120	**320**
320	5136	5152	5168	5184	5200	5216	5232	5248	5264	5280	**330**
330	5296	5312	5328	5344	5360	5376	5392	5408	5424	5440	**340**
340	5456	5472	5488	5504	5520	5536	5552	5568	5584	5600	**350**
350	5616	5632	5648	5664	5680	5696	5712	5728	5744	5760	**360**
360	5776	5792	5808	5824	5840	5856	5872	5888	5904	5920	**370**
370	5936	5952	5968	5984	6000	6016	6032	6048	6064	6080	**380**
380	6096	6112	6128	6144	6160	6176	6192	6208	6224	6240	**390**
390	6256	6272	6288	6304	6320	6336	6352	6368	6384	6400	**400**
400	6416	6432	6448	6464	6480	6496	6512	6528	6544	6560	**410**
410	6576	6592	6608	6624	6640	6656	6672	6688	6704	6720	**420**
420	6736	6752	6768	6784	6800	6816	6832	6848	6864	6880	**430**
430	6896	6912	6928	6944	6960	6976	6992	7008	7024	7040	**440**
440	7056	7072	7088	7104	7120	7136	7152	7168	7184	7200	**450**
450	7216	7232	7248	7264	7280	7296	7312	7328	7344	7360	**460**
460	7376	7392	7408	7424	7440	7456	7472	7488	7504	7520	**470**
470	7536	7552	7568	7584	7600	7616	7632	7648	7664	7680	**480**
480	7696	7712	7728	7744	7760	7776	7792	7808	7824	7840	**490**
490	7856	7872	7888	7904	7920	7936	7952	7968	7984	8000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x2
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 12, 2 x 6, 3 x 4 = 18

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	
	18	36	54	72	90	108	126	144	162	180	**10**
10	198	216	234	252	270	288	306	324	342	360	**20**
20	378	396	414	432	450	468	486	504	522	540	**30**
30	558	576	594	612	630	648	666	684	702	720	**40**
40	738	756	774	792	810	828	846	864	882	900	**50**
50	918	936	954	972	990	1008	1026	1044	1062	1080	**60**
60	1098	1116	1134	1152	1170	1188	1206	1224	1242	1260	**70**
70	1278	1296	1314	1332	1350	1368	1386	1404	1422	1440	**80**
80	1458	1476	1494	1512	1530	1548	1566	1584	1602	1620	**90**
90	1638	1656	1674	1692	1710	1728	1746	1764	1782	1800	**100**
100	1818	1836	1854	1872	1890	1908	1926	1944	1962	1980	**110**
110	1998	2016	2034	2052	2070	2088	2106	2124	2142	2160	**120**
120	2178	2196	2214	2232	2250	2268	2286	2304	2322	2340	**130**
130	2358	2376	2394	2412	2430	2448	2466	2484	2502	2520	**140**
140	2538	2556	2574	2592	2610	2628	2646	2664	2682	2700	**150**
150	2718	2736	2754	2772	2790	2808	2826	2844	2862	2880	**160**
160	2898	2916	2934	2952	2970	2988	3006	3024	3042	3060	**170**
170	3078	3096	3114	3132	3150	3168	3186	3204	3222	3240	**180**
180	3258	3276	3294	3312	3330	3348	3366	3384	3402	3420	**190**
190	3438	3456	3474	3492	3510	3528	3546	3564	3582	3600	**200**
200	3618	3636	3654	3672	3690	3708	3726	3744	3762	3780	**210**
210	3798	3816	3834	3852	3870	3888	3906	3924	3942	3960	**220**
220	3978	3996	4014	4032	4050	4068	4086	4104	4122	4140	**230**
230	4158	4176	4194	4212	4230	4248	4266	4284	4302	4320	**240**
240	4338	4356	4374	4392	4410	4428	4446	4464	4482	4500	**250**
250	4518	4536	4554	4572	4590	4608	4626	4644	4662	4680	**260**
260	4698	4716	4734	4752	4770	4788	4806	4824	4842	4860	**270**
270	4878	4896	4914	4932	4950	4968	4986	5004	5022	5040	**280**
280	5058	5076	5094	5112	5130	5148	5166	5184	5202	5220	**290**
290	5238	5256	5274	5292	5310	5328	5346	5364	5382	5400	**300**
300	5418	5436	5454	5472	5490	5508	5526	5544	5562	5580	**310**
310	5598	5616	5634	5652	5670	5688	5706	5724	5742	5760	**320**
320	5778	5796	5814	5832	5850	5868	5886	5904	5922	5940	**330**
330	5958	5976	5994	6012	6030	6048	6066	6084	6102	6120	**340**
340	6138	6156	6174	6192	6210	6228	6246	6264	6282	6300	**350**
350	6318	6336	6354	6372	6390	6408	6426	6444	6462	6480	**360**
360	6498	6516	6534	6552	6570	6588	6606	6624	6642	6660	**370**
370	6678	6696	6714	6732	6750	6768	6786	6804	6822	6840	**380**
380	6858	6876	6894	6912	6930	6948	6966	6984	7002	7020	**390**
390	7038	7056	7074	7092	7110	7128	7146	7164	7182	7200	**400**
400	7218	7236	7254	7272	7290	7308	7326	7344	7362	7380	**410**
410	7398	7416	7434	7452	7470	7488	7506	7524	7542	7560	**420**
420	7578	7596	7614	7632	7650	7668	7686	7704	7722	7740	**430**
430	7758	7776	7794	7812	7830	7848	7866	7884	7902	7920	**440**
440	7938	7956	7974	7992	8010	8028	8046	8064	8082	8100	**450**
450	8118	8136	8154	8172	8190	8208	8226	8244	8262	8280	**460**
460	8298	8316	8334	8352	8370	8388	8406	8424	8442	8460	**470**
470	8478	8496	8514	8532	8550	8568	8586	8604	8622	8640	**480**
480	8658	8676	8694	8712	8730	8748	8766	8784	8802	8820	**490**
490	8838	8856	8874	8892	8910	8928	8946	8964	8982	9000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
4 x54	- 1
6 x36	- 1
8 x27	- 1
9 x24	- 1
12 x18	- 1
2 x54	- 2
4 x27	- 2
4½x24	- 2
6 x18	- 2
6¾x16	- 2
8 x13½	- 2
9 x12	- 2
2 x36	- 3
3 x24	- 3
4 x18	- 3
4½x16	- 3
6 x12	- 3
8 x 9	- 3
1 x54	- 4
2 x27	- 4
2¼x24	- 4
3 x18	- 4
4 x13½	- 4
6 x 9	- 4
6¾x 8	- 4
1 x36	- 6
1½x24	- 6
2 x18	- 6
2¼x16	- 6
3 x12	- 6
4 x 9	- 6
4½x 8	- 6
6 x 6	- 6
1½x18	- 8
2 x13½	- 8
2¼x12	- 8
3 x 9	- 8
4 x 6¾	- 8
¼x96	- 9
½x48	- 9
1 x24	- 9
2 x12	- 9
3 x 8	- 9
4 x 6	- 9
¼x72	-12
½x36	-12
1 x18	-12
1½x12	-12
2 x 9	-12
2¼x 8	-12
3 x 6	-12
4 x 4½	-12
¼x54	-16
½x27	-16
1 x13½	-16
1½x 9	-16
2 x 6¾	-16
2¼x 6	-16
3 x 4½	-16
6 x 6¾	-16
⅛x96	-18
¼x48	-18
½x24	-18
1 x12	-18
1½x 8	-18
2 x 6	-18
3 x 4	-18
⅛x72	-24
¼x36	-24
½x18	-24
1 x 9	-24
2 x 4½	-24
⅛x64	-27
¼x32	-27
½x16	-27
1 x 8	-27
2 x 4	-27
⅛x48	-36
¼x24	-36
½x12	-36
1 x 6	-36
2 x 3	-36

Size	Lth
10 x24	- 1
12 x20	- 1
15 x16	- 1
3¾x32	- 2
4 x30	- 2
5 x24	- 2
6 x20	- 2
7½x16	- 2
8 x15	- 2
10 x12	- 2
2 x40	- 3
4 x20	- 3
2½x32	- 3
5 x16	- 3
8 x10	- 3
2 x30	- 4
2½x24	- 4
3 x20	- 4
3¾x16	- 4
4 x15	- 4
5 x12	- 4
7½x 8	- 4
6 x10	- 4
1 x48	- 5
2 x24	- 5
3 x16	- 5
4 x12	- 5
6 x 8	- 5
1 x40	- 6
2 x20	- 6
4 x10	- 6
5 x 8	- 6
1 x30	- 8
1¼x24	- 8
1½x20	- 8
2 x15	- 8
2½x12	- 8
3 x10	- 8
3¾x 8	- 8
4 x 7½	- 8
5 x 6	- 8
½x48	-10
1 x24	-10
1½x16	-10
2 x12	-10
3 x 8	-10
4 x 6	-10
½x40	-12
1 x20	-12
1¼x16	-12
2 x10	-12
2½x 8	-12
4 x 5	-12
½x32	-15
1 x16	-15
2 x 8	-15
4 x 4	-15
½x30	-16
1 x15	-16
1¼x12	-16
1½x10	-16
2 x 7½	-16
2½x 6	-16
3 x 5	-16
3¾x 4	-16
½x24	-20
1 x12	-20
1½x 8	-20
2 x 6	-20
3 x 4	-20
½x20	-24
1 x10	-24
2 x 5	-24
½x16	-30
1 x 8	-30
2 x 4	-30
½x12	-40
1 x 6	-40
2 x 3	-40

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1 x 12, 2 x 6, 3 x 4 = 20

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	20	40	60	80	100	120	140	160	180	200	10
10	220	240	260	280	300	320	340	360	380	400	20
20	420	440	460	480	500	520	540	560	580	600	30
30	620	640	660	680	700	720	740	760	780	800	40
40	820	840	860	880	900	920	940	960	980	1000	50
50	1020	1040	1060	1080	1100	1120	1140	1160	1180	1200	60
60	1220	1240	1260	1280	1300	1320	1340	1360	1380	1400	70
70	1420	1440	1460	1480	1500	1520	1540	1560	1580	1600	80
80	1620	1640	1660	1680	1700	1720	1740	1760	1780	1800	90
90	1820	1840	1860	1880	1900	1920	1940	1960	1980	2000	100
100	2020	2040	2060	2080	2100	2120	2140	2160	2180	2200	110
110	2220	2240	2260	2280	2300	2320	2340	2360	2380	2400	120
120	2420	2440	2460	2480	2500	2520	2540	2560	2580	2600	130
130	2620	2640	2660	2680	2700	2720	2740	2760	2780	2800	140
140	2820	2840	2860	2880	2900	2920	2940	2960	2980	3000	150
150	3020	3040	3060	3080	3100	3120	3140	3160	3180	3200	160
160	3220	3240	3260	3280	3300	3320	3340	3360	3380	3400	170
170	3420	3440	3460	3480	3500	3520	3540	3560	3580	3600	180
180	3620	3640	3660	3680	3700	3720	3740	3760	3780	3800	190
190	3820	3840	3860	3880	3900	3920	3940	3960	3980	4000	200
200	4020	4040	4060	4080	4100	4120	4140	4160	4180	4200	210
210	4220	4240	4260	4280	4300	4320	4340	4360	4380	4400	220
220	4420	4440	4460	4480	4500	4520	4540	4560	4580	4600	230
230	4620	4640	4660	4680	4700	4720	4740	4760	4780	4800	240
240	4820	4840	4860	4880	4900	4920	4940	4960	4980	5000	250
250	5020	5040	5060	5080	5100	5120	5140	5160	5180	5200	260
260	5220	5240	5260	5280	5300	5320	5340	5360	5380	5400	270
270	5420	5440	5460	5480	5500	5520	5540	5560	5580	5600	280
280	5620	5640	5660	5680	5700	5720	5740	5760	5780	5800	290
290	5820	5840	5860	5880	5900	5920	5940	5960	5980	6000	300
300	6020	6040	6060	6080	6100	6120	6140	6160	6180	6200	310
310	6220	6240	6260	6280	6300	6320	6340	6360	6380	6400	320
320	6420	6440	6460	6480	6500	6520	6540	6560	6580	6600	330
330	6620	6640	6660	6680	6700	6720	6740	6760	6780	6800	340
340	6820	6840	6860	6880	6900	6920	6940	6960	6980	7000	350
350	7020	7040	7060	7080	7100	7120	7140	7160	7180	7200	360
360	7220	7240	7260	7280	7300	7320	7340	7360	7380	7400	370
370	7420	7440	7460	7480	7500	7520	7540	7560	7580	7600	380
380	7620	7640	7660	7680	7700	7720	7740	7760	7780	7800	390
390	7820	7840	7860	7880	7900	7920	7940	7960	7980	8000	400
400	8020	8040	8060	8080	8100	8120	8140	8160	8180	8200	410
410	8220	8240	8260	8280	8300	8320	8340	8360	8380	8400	420
420	8420	8440	8460	8480	8500	8520	8540	8560	8580	8600	430
430	8620	8640	8660	8680	8700	8720	8740	8760	8780	8800	440
440	8820	8840	8860	8880	8900	8920	8940	8960	8980	9000	450
450	9020	9040	9060	9080	9100	9120	9140	9160	9180	9200	460
460	9220	9240	9260	9280	9300	9320	9340	9360	9380	9400	470
470	9420	9440	9460	9480	9500	9520	9540	9560	9580	9600	480
480	9620	9640	9660	9680	9700	9720	9740	9760	9780	9800	490
490	9820	9840	9860	9880	9900	9920	9940	9960	9980	10000	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4

1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

$$\begin{matrix} 1 \times 12 \\ 2 \times 6 \\ 3 \times 4 \end{matrix} = 22$$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	22	44	66	88	110	132	154	176	198	220	**10**
10	242	264	286	308	330	352	374	396	418	440	**20**
20	462	484	506	528	550	572	594	616	638	660	**30**
30	682	704	726	748	770	792	814	836	858	880	**40**
40	902	924	946	968	990	1012	1034	1056	1078	1100	**50**
50	1122	1144	1166	1188	1210	1232	1254	1276	1298	1320	**60**
60	1342	1364	1386	1408	1430	1452	1474	1496	1518	1540	**70**
70	1562	1584	1606	1628	1650	1672	1694	1716	1738	1760	**80**
80	1782	1804	1826	1848	1870	1892	1914	1936	1958	1980	**90**
90	2002	2024	2046	2068	2090	2112	2134	2156	2178	2200	**100**
100	2222	2244	2266	2288	2310	2332	2354	2376	2398	2420	**110**
110	2442	2464	2486	2508	2530	2552	2574	2596	2618	2640	**120**
120	2662	2684	2706	2728	2750	2772	2794	2816	2838	2860	**130**
130	2882	2904	2926	2948	2970	2992	3014	3036	3058	3080	**140**
140	3102	3124	3146	3168	3190	3212	3234	3256	3278	3300	**150**
150	3322	3344	3366	3388	3410	3432	3454	3476	3498	3520	**160**
160	3542	3564	3586	3608	3630	3652	3674	3696	3718	3740	**170**
170	3762	3784	3806	3828	3850	3872	3894	3916	3938	3960	**180**
180	3982	4004	4026	4048	4070	4092	4114	4136	4158	4180	**190**
190	4202	4224	4246	4268	4290	4312	4334	4356	4378	4400	**200**
200	4422	4444	4466	4488	4510	4532	4554	4576	4598	4620	**210**
210	4642	4664	4686	4708	4730	4752	4774	4796	4818	4840	**220**
220	4862	4884	4906	4928	4950	4972	4994	5016	5038	5060	**230**
230	5082	5104	5126	5148	5170	5192	5214	5236	5258	5280	**240**
240	5302	5824	5346	5368	5390	5412	5434	5456	5478	5500	**250**
250	5522	5544	5566	5588	5610	5632	5654	5676	5698	5720	**260**
260	5742	5764	5786	5808	5830	5852	5874	5896	5918	5940	**270**
270	5962	5984	6006	6028	6050	6072	6094	6116	6138	6160	**280**
280	6182	6204	6226	6248	6270	6292	6314	6336	6358	6380	**290**
290	6402	6424	6446	6468	6490	6512	6534	6556	6578	6600	**300**
300	6622	6644	6666	6688	6710	6732	6754	6776	6798	6820	**310**
310	6842	6864	6886	6908	6930	6952	6974	6996	7018	7040	**320**
320	7062	7084	7106	7128	7150	7172	7194	7216	7238	7260	**330**
330	7282	7304	7326	7348	7370	7392	7414	7436	7458	7480	**340**
340	7502	7524	7546	7568	7590	7612	7634	7656	7678	7700	**350**
350	7722	7744	7766	7788	7810	7832	7854	7876	7898	7920	**360**
360	7942	7964	7986	8008	8030	8052	8074	8096	8118	8140	**370**
370	8162	8184	8206	8228	8250	8272	8294	8316	8338	8360	**380**
380	8382	8404	8426	8448	8470	8492	8514	8536	8558	8580	**390**
390	8602	8624	8646	8668	8690	8712	8734	8756	8778	8800	**400**
400	8822	8844	8866	8888	8910	8932	8954	8976	8998	9020	**410**
410	9042	9064	9086	9108	9130	9152	9174	9196	9218	9240	**420**
420	9262	9284	9306	9328	9350	9372	9394	9416	9438	9460	**430**
430	9482	9504	9526	9548	9570	9592	9614	9636	9658	9680	**440**
440	9702	9724	9746	9768	9790	9812	9834	9856	9878	9900	**450**
450	9922	9944	9966	9988	10010	10032	10054	10076	10098	10120	**460**
460	10142	10164	10186	10208	10230	10252	10274	10296	10318	10340	**470**
470	10362	10384	10406	10428	10450	10472	10494	10516	10538	10560	**480**
480	10582	10604	10626	10648	10670	10692	10714	10736	10758	10780	**490**
490	10802	10824	10846	10868	10890	10912	10934	10956	10978	11000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
5½x48	- 1
11 x24	- 1
12 x22	- 1
3 x44	- 2
5½x24	- 2
6 x22	- 2
2 x44	- 3
4 x22	- 3
5½x16	- 3
8 x11	- 3
1½x44	- 4
3 x22	- 4
4 x16½	- 4
5½x12	- 4
8 x 8¼	- 4
½x88	- 6
1 x44	- 6
2 x22	- 6
4 x11	- 6
5½x 8	- 6
½x66	- 8
1 x33	- 8
1½x22	- 8
2 x16½	- 8
2¾x12	- 8
3 x11	- 8
4 x 8¼	- 8
5½x 6	- 8
½x48	-11
1 x24	-11
2 x12	-11
3 x 8	-11
4 x 6	-11
¼x88	-12
½x44	-12
1 x22	-12
2 x11	-12
2¾x 8	-12
½x33	-16
1 x16½	-16
1½x11	-16
2 x 8¼	-16
3 x 5½	-16
⅛x96	-22
¼x48	-22
½x24	-22
1 x12	-22
2 x 6	-22
3 x 4	-22
⅛x64	-33
¼x32	-33
½x16	-33
1 x 8	-33
2 x 4	-33
⅛x48	-44
¼x24	-44
½x12	-44
1 x 6	-44
2 x 3	-44

Size	Lth
6	x48 - 1
8	x36 - 1
9	x32 - 1
12	x24 - 1
16	x18 - 1
4	x36 - 2
4½	x32 - 2
6	x24 - 2
8	x18 - 2
9	x16 - 2
12	x12 - 2
3	x32 - 3
4	x24 - 3
6	x16 - 3
8	x12 - 3
1½	x48 - 4
2¼	x32 - 4
4	x18 - 4
6	x12 - 4
8	x 9 - 4
1	x48 - 6
1½	x32 - 6
2	x24 - 6
3	x16 - 6
4	x12 - 6
6	x 8 - 6
1	x36 - 8
1½	x24 - 8
2	x18 - 8
2¼	x16 - 8
3	x12 - 8
4	x 9 - 8
4½	x 8 - 8
6	x 6 - 8
½	x64 - 9
1	x32 - 9
2	x16 - 9
4	x 8 - 9
½	x48 - 12
1	x24 - 12
1½	x16 - 12
2	x12 - 12
3	x 8 - 12
4	x 6 - 12
½	x36 - 16
1	x18 - 16
1½	x12 - 16
2	x 9 - 16
2¼	x 8 - 16
3	x 6 - 16
4	x 4½ - 16
½	x32 - 18
1	x16 - 18
2	x 8 - 18
4	x 4 - 18
½	x24 - 24
1	x12 - 24
2	x 6 - 24
3	x 4 - 24
½	x18 - 32
1	x 9 - 32
3	x 3 - 32
½	x16 - 36
1	x 8 - 36
2	x 4 - 36
½	x12 - 48
1	x 6 - 48
2	x 3 - 48

1 x 12 / 2 x 6 / 3 x 4 = 24

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	
	24	48	72	96	120	144	168	192	216	240	**10**
10	264	288	312	336	360	384	408	432	456	480	**20**
20	504	528	552	576	600	624	648	672	696	720	**30**
30	744	768	792	816	840	864	888	912	936	960	**40**
40	984	1008	1032	1056	1080	1104	1128	1152	1176	1200	**50**
50	1224	1248	1272	1296	1320	1344	1368	1392	1416	1440	**60**
60	1464	1488	1512	1536	1560	1584	1608	1632	1656	1680	**70**
70	1704	1728	1752	1776	1800	1824	1848	1872	1896	1920	**80**
80	1944	1968	1992	2016	2040	2064	2088	2112	2136	2160	**90**
90	2184	2208	2232	2256	2280	2304	2328	2352	2376	2400	**100**
100	2424	2448	2472	2496	2520	2544	2568	2592	2616	2640	**110**
110	2664	2688	2712	2736	2760	2784	2808	2832	2856	2880	**120**
120	2904	2928	2952	2976	3000	3024	3048	3072	3096	3120	**130**
130	3144	3168	3192	3216	3240	3264	3288	3312	3336	3360	**140**
140	3384	3408	3432	3456	3480	3504	3528	3552	3576	3600	**150**
150	3624	3648	3672	3696	3720	3744	3768	3792	3816	3840	**160**
160	3864	3888	3912	3936	3960	3984	4008	4032	4056	4080	**170**
170	4104	4128	4152	4176	4200	4224	4248	4272	4296	4320	**180**
180	4344	4368	4392	4416	4440	4464	4488	4512	4536	4560	**190**
190	4584	4608	4632	4656	4680	4704	4728	4752	4776	4800	**200**
200	4824	4848	4872	4896	4920	4944	4968	4992	5016	5040	**210**
210	5064	5088	5112	5136	5160	5184	5208	5232	5256	5280	**220**
220	5304	5328	5352	5376	5400	5424	5448	5472	5496	5520	**230**
230	5544	5568	5592	5616	5640	5664	5688	5712	5736	5760	**240**
240	5784	5808	5832	5856	5880	5904	5928	5952	5976	6000	**250**
250	6024	6048	6072	6096	6120	6144	6168	6192	6216	6240	**260**
260	6264	6288	6312	6336	6360	6384	6408	6432	6456	6480	**270**
270	6504	6528	6552	6576	6600	6624	6648	6672	6696	6720	**280**
280	6744	6768	6792	6816	6840	6864	6888	6912	6936	6960	**290**
290	6984	7008	7032	7056	7080	7104	7128	7152	7176	7200	**300**
300	7224	7248	7272	7296	7320	7344	7368	7392	7416	7440	**310**
310	7464	7488	7512	7536	7560	7584	7608	7632	7656	7680	**320**
320	7704	7728	7752	7776	7800	7824	7848	7872	7896	7920	**330**
330	7944	7968	7992	8016	8040	8064	8088	8112	8136	8160	**340**
340	8184	8208	8232	8256	8280	8304	8328	8352	8376	8400	**350**
350	8424	8448	8472	8496	8520	8544	8568	8592	8616	8640	**360**
360	8664	8688	8712	8736	8760	8784	8808	8832	8856	8880	**370**
370	8904	8928	8952	8976	9000	9024	9048	9072	9096	9120	**380**
380	9144	9168	9192	9216	9240	9264	9288	9312	9336	9360	**390**
390	9384	9408	9432	9456	9480	9504	9528	9552	9576	9600	**400**
400	9624	9648	9672	9696	9720	9744	9768	9792	9816	9840	**410**
410	9864	9888	9912	9936	9960	9984	10008	10032	10056	10080	**420**
420	10104	10128	10152	10176	10200	10224	10248	10272	10296	10320	**430**
430	10344	10368	10392	10416	10440	10464	10488	10512	10536	10560	**440**
440	10584	10608	10632	10656	10680	10704	10728	10752	10776	10800	**450**
450	10824	10848	10872	10896	10920	10944	10968	10992	11016	11040	**460**
460	11064	11088	11112	11136	11160	11184	11208	11232	11256	11280	**470**
470	11304	11328	11352	11376	11400	11424	11448	11472	11496	11520	**480**
480	11544	11568	11592	11616	11640	11664	11688	11712	11736	11760	**490**
490	11784	11808	11832	11856	11880	11904	11928	11952	11976	12000	**500**

1x13
1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 13 / 2 x 6½ = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	6½	13	19½	26	32½	39	45½	52	58½	65	**10**
10	71½	78	84½	91	97½	104	110½	117	123⅓	130	**20**
20	136½	143	149½	156	162½	169	175½	182	188½	195	**30**
30	201½	208	214½	221	227½	234	240½	247	253½	260	**40**
40	266½	273	279½	286	292½	299	305½	312	318½	325	**50**
50	331½	338	344½	351	357½	364	370½	377	383½	390	**60**
60	396½	403	409½	416	422½	429	435½	442	448½	455	**70**
70	461½	468	474½	481	487½	494	500½	507	513½	520	**80**
80	526½	533	539½	546	552½	559	565½	572	578½	585	**90**
90	591½	598	604½	611	617½	624	630½	637	643⅓	650	**100**

1 x 13 / 2 x 6½ = 8

	8⅔	17⅓	26	34⅔	43⅓	52	60⅔	69⅓	78	86⅔	**10**
10	95⅓	104	112⅔	121⅓	130	138⅔	147⅓	156	164⅔	173⅓	**20**
20	182	190⅔	199⅓	208	216⅔	225⅓	234	242⅔	251⅓	260	**30**
30	268⅔	277⅓	286	294⅔	303⅓	312	320⅔	329⅓	338	346⅔	**40**
40	355⅔	364	372⅔	381⅓	390	398⅔	407⅓	416	424⅔	433⅓	**50**
50	442	450⅔	459⅓	468	476⅔	485⅓	494	502⅔	511⅓	520	**60**
60	528⅔	537⅓	546	554⅔	563⅓	572	580⅔	589⅓	598	606⅔	**70**
70	615⅓	624	632⅔	641⅓	650	658⅔	667⅓	676	684⅔	693⅓	**80**
80	702	710⅔	719⅓	728	736⅔	745⅓	754	762⅔	771⅓	780	**90**
90	788⅔	797⅓	806	814⅔	823⅓	832	840⅔	849⅓	858	866⅔	**100**

1 x 13 / 2 x 6½ = 10

	10⅚	21⅔	32½	43⅓	54⅙	65	75⅚	86⅔	97½	108⅓	**10**
10	119⅙	130	140⅚	151⅔	162½	173⅓	184⅙	195	205⅚	216⅔	**20**
20	227½	238⅓	249⅙	260	270⅚	281⅔	292½	303⅓	314⅙	325	**30**
30	335⅚	346⅔	357½	368⅓	379⅙	390	400⅚	411⅔	422½	433⅓	**40**
40	444⅙	455	465⅚	476⅔	487½	498⅓	509⅙	520	530⅚	541⅔	**50**
50	552½	563⅓	574⅙	585	595⅚	606⅔	617½	628⅓	639⅙	650	**60**
60	660⅚	671⅔	682½	693⅓	704⅙	715	725⅚	736⅔	747½	758⅓	**70**
70	769⅙	780	790⅚	801⅔	812½	823⅓	834⅙	845	855⅚	866⅔	**80**
80	877½	888⅓	899⅙	910	920⅚	931⅔	942½	953⅓	964⅙	975	**90**
90	985⅚	996⅔	1007½	1018⅓	1029⅙	1040	1050⅚	1061⅔	1072½	1083⅓	**100**

1 x 13 / 2 x 6½ = 12

	13	26	39	52	65	78	91	104	117	130	**10**
10	143	156	169	182	195	208	221	234	247	260	**20**
20	273	286	299	312	325	338	351	364	377	390	**30**
30	403	416	429	442	455	468	481	494	507	520	**40**
40	533	546	459	572	585	598	611	624	637	650	**50**
50	663	676	689	702	715	728	741	754	767	780	**60**
60	793	806	819	832	845	858	871	884	897	910	**70**
70	923	936	949	962	975	988	1001	1014	1027	1040	**80**
80	1053	1066	1079	1092	1105	1118	1131	1144	1157	1170	**90**
90	1183	1196	1209	1222	1235	1248	1261	1274	1287	1300	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
6 x13	- 1
6½x12	- 1
8 x 9¾	- 1
3 x13	- 2
3¼x12	- 2
4 x 9¾	- 2
6 x 6½	- 2
2 x13	- 3
3¼x 8	- 3
4 x 6½	- 3
1½x13	- 4
2 x 9¾	- 4
3 x 6½	- 4
3¼x 6	- 4
1 x13	- 6
2 x 6½	- 6
3¼x 4	- 6
1 x 9¾	- 8
1½x 6½	- 8
3 x 3¼	- 8
2 x 3¼	-12
1 x 6	-13
1½x 4	-13
2 x52	- 1
4 x26	- 1
8 x13	- 1
2 x26	- 2
4 x13	- 2
1 x26	- 4
2 x13	- 4
4 x 6½	- 4
½x26	- 8
1 x13	- 8
2 x 6½	- 8
3¼x 4	- 8
1 x 8	-13
2 x 4	-13
1 x 6½	-16
2 x 3¼	-16
1 x 4	-26
2 x 2	-26
10 x13	- 1
5 x13	- 2
2½x13	- 4
3¼x10	- 4
5 x 6½	- 4
2 x13	- 5
3¼x 8	- 5
4 x 6½	- 5
1¼x13	- 8
3¼x 5	- 8
1 x13	-10
2 x 6½	-10
3¼x 4	-10
1 x10	-13
1¼x 8	-13
2 x 5	-13
2½x 3¼	-16
1 x 6½	-20
12 x13	- 1
6 x26	- 1
3 x26	- 2
8 x 9¾	- 2
6½x 8	- 3
3 x13	- 4
3¼x12	- 4
1 x26	- 6
2 x13	- 6
4 x 6½	- 6
1 x19½	- 8
2 x 9¾	- 8
3 x 6½	- 8
1 x13	-12
2 x 6½	-12
1 x12	-13
2 x 6	-13
1½x 8	-13
3 x 4	-13
1 x 9¾	-16
1½x 6½	-16
1 x 6	-26
2 x 3	-26

Size	Lth
7 x26	- 1
13 x14	- 1
3½x26	- 2
6½x14	- 2
7 x13	- 2
3¼x14	- 4
3½x13	- 4
½x52	- 7
1 x26	- 7
2 x13	- 7
1¾x13	- 8
3¼x 7	- 8
½x28	-13
1 x14	-13
1¾x 8	-13
2 x 7	-13
3½x 4	-13
½x26	-14
1 x13	-14
2 x 6½	-14
1¾x 6½	-16

1 X 13 / 2 X 6½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	15⅙	30⅓	45½	60⅔	75⅚	91	106⅙	121⅓	136½	151⅔	10
10	166⅚	182	197⅙	212⅓	227½	242⅔	257⅚	273	288⅙	303⅓	20
20	318½	333⅔	348⅚	364	379⅙	394⅓	409½	424⅔	439⅚	455	30
30	470⅙	485⅓	500½	515⅔	530⅚	546	561⅙	576⅓	591½	606⅔	40
40	621⅚	637	652⅙	667⅓	682½	697⅔	712⅚	728	743⅙	758⅓	50
50	773½	788⅔	803⅚	819	834⅙	849⅓	864½	879⅔	894⅚	910	60
60	925⅙	940⅓	955½	970⅔	985⅚	1001	1016⅙	1031⅓	1046½	1061⅔	70
70	1076⅚	1092	1107⅙	1122⅓	1137½	1152⅔	1167⅚	1183	1198⅙	1213⅓	80
80	1228½	1243⅔	1258⅚	1274	1289⅙	1304⅓	1319½	1334⅔	1349⅚	1365	90
90	1380⅙	1395⅓	1410½	1425⅔	1440⅚	1456	1471⅙	1486⅓	1501½	1516⅔	100

Size	Lth
4 x52	- 1
8 x26	- 1
13 x16	- 1
4 x26	- 2
6½x16	- 2
8 x13	- 2
2 x26	- 4
3¼x16	- 4
4 x13	- 4
1 x26	- 8
2 x13	- 8
3¼x 8	- 8
4 x 6½	- 8
1 x16	-13
2 x 8	-13
1 x13	-16
2 x 6½	-16
1 x 8	-26

1 X 13 / 2 X 6½ = 16

	17⅓	34⅔	52	69⅓	86⅔	104	121⅓	138⅔	156	173⅓	10
10	190⅔	208	225⅓	242⅔	260	277⅓	294⅔	312	329⅓	346⅔	20
20	364	381⅓	398⅔	416	433⅓	450⅔	468	485⅓	502⅔	520	30
30	537⅓	554⅔	572	589⅓	606⅔	624	641⅓	658⅔	676	693⅓	40
40	710⅔	728	745⅓	762⅔	780	797⅓	814⅔	832	849⅓	866⅔	50
50	884	901⅓	918⅔	936	953⅓	970⅔	988	1005⅓	1022⅔	1040	60
60	1057⅓	1074⅔	1092	1109⅓	1126⅔	1144	1161⅓	1178⅔	1196	1213⅓	70
70	1230⅔	1248	1265⅓	1282⅔	1300	1317⅓	1334⅔	1352	1369⅓	1386⅔	80
80	1404	1421⅓	1438⅔	1456	1473⅓	1490⅔	1508	1525⅓	1542⅔	1560	90
90	1577⅓	1594⅔	1612	1629⅓	1646⅔	1664	1681⅓	1698⅔	1716	1733⅓	100

Size	Lth
9 x26	- 1
13 x18	- 1
6 x13	- 3
6½x12	- 3
3 x13	- 6
4 x 9¾	- 6
6 x 6½	- 6
3 x 9¾	- 8
4½x 6½	- 8
3¼x 8	- 9
3¼x 6	-12
1 x18	-13
2 x 9	-13
3 x 6	-13
1 x13	-18
1 x 9	-26
3 x 3	-26
1 x 6	-39

1 X 13 / 2 X 6½ = 18

	19½	39	58½	78	97½	117	136½	156½	175½	195	10
10	214½	234	253½	273	292½	312	331½	351	370½	390	20
20	409½	429	448½	468	487½	507	526½	546	565½	585	30
30	604½	624	643½	663	682½	702	721½	741	760½	780	40
40	799½	819	838½	858	877½	897	916½	936	955½	975	50
50	994½	1014	1033½	1053	1072½	1092	1111½	1131	1150½	1170	60
60	1189½	1209	1228½	1248	1267½	1287	1306½	1326	1345½	1365	70
70	1384½	1404	1423½	1443	1462½	1482	1501½	1521	1540½	1560	80
80	1579½	1599	1618½	1638	1657½	1677	1696½	1716	1735½	1755	90
90	1774½	1794	1813½	1833	1852½	1872	1891½	1911	1930½	1950	100

Size	Lth
10 x26	- 1
5 x26	- 2
6½x20	- 2
10 x13	- 2
3¼x20	- 4
5 x13	- 4
6½x10	- 4
2 x26	- 5
4 x13	- 5
1¼x26	- 8
2½x13	- 8
3¼x10	- 8
1 x26	-10
2 x13	-10
1 x20	-13
2 x10	-13
2½x 8	-13
4 x 5	-13
1¼x13	-16
3¼x 5	-16
1 x13	-20
2 x 6½	-20
1 x10	-26
2 x 5	-26

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1 X 13 / 2 X 6½ = 20

	21⅔	43⅓	65	86⅔	108⅓	130	151⅔	173⅓	195	216⅔	10
10	238⅓	260	281⅔	303⅓	325	346⅔	368⅓	390	411⅔	433⅓	20
20	455	476⅔	498⅓	520	541⅔	563⅓	585	606⅔	628⅓	650	30
30	671⅔	693⅓	715	736⅔	758⅓	780	801⅔	823⅓	845	866⅔	40
40	888⅓	910	931⅔	953⅓	975	996⅔	1018⅓	1040	1061⅔	1083⅓	50
50	1105	1126⅔	1148⅓	1170	1191⅔	1213⅓	1235	1256⅔	1278⅓	1300	60
60	1321⅔	1343⅓	1365	1386⅔	1408⅓	1430	1451⅔	1473⅓	1495	1516⅔	70
70	1538⅓	1560	1581⅔	1603⅓	1625	1646⅔	1668⅓	1690	1711⅔	1733⅓	80
80	1755	1776⅔	1798⅓	1820	1841⅔	1863⅓	1885	1906⅔	1928⅓	1950	90
90	1971⅔	1993⅓	2015	2036⅔	2058⅓	2080	2101⅔	2123⅓	2145	2166⅔	100

EXAMPLE: 55 pieces 1x13=16; see table above for 1x13=16, 55 pieces contains 953⅓ feet. Suppose you wish to find number of feet in 550 pieces, drop fraction ⅓ and add 3⅓, 550 pieces 9533⅓ feet: if 553 pieces, add the amount in 3 pieces 52 / 9585⅓ ft. in 553 pieces.

See pages 3, 4 and 5 for explanations.

1x13 1x14 2x8 1x17 1x18 1x19 2x10 1x21 1x22 1x23 2x12 2x14 2½x14 3x10 Shingles. 3x12 6x6

1 X 14 / 2 X 7 = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	7	14	21	28	35	42	49	56	63	70	**10**
10	77	84	91	98	105	112	119	126	133	140	**20**
20	147	154	161	168	175	182	189	196	203	210	**30**
30	217	224	231	238	245	252	259	266	273	280	**40**
40	287	294	301	308	315	322	329	336	343	350	**50**
50	357	364	371	378	385	392	399	406	413	420	**60**
60	427	434	441	448	455	462	469	476	483	490	**70**
70	497	504	511	518	525	532	539	546	553	560	**80**
80	567	574	581	588	595	602	609	616	623	630	**90**
90	637	644	651	658	665	672	679	686	693	700	**100**

1 X 14 / 2 X 7 = 8

	9⅓	18⅔	28	37⅓	46⅔	56	65⅓	74⅔	84	93⅓	**10**
10	102⅔	112	121⅓	130⅔	140	149⅓	158⅔	168	177⅓	186⅔	**20**
20	196	205⅓	214⅔	224	233⅓	242⅔	252	261⅓	270⅔	280	**30**
30	289⅓	298⅔	308	317⅓	326⅔	336	345⅓	354⅔	364	373⅓	**40**
40	382⅔	392	401⅓	410⅔	420	429⅓	438⅔	448	457⅓	466⅔	**50**
50	476	485⅓	494⅔	504	513⅓	522⅔	532	541⅓	550⅔	560	**60**
60	569⅓	578⅔	588	597⅓	606⅔	616	625⅓	634⅔	644	653⅓	**70**
70	662⅔	672	681⅓	690⅔	700	709⅓	718⅔	728	737⅓	746⅔	**80**
80	756	765⅓	774⅔	784	793⅓	802⅔	812	821⅓	830⅔	840	**90**
90	849⅓	858⅔	868	877⅓	886⅔	896	905⅓	914⅔	924	933⅓	**100**

1 X 14 / 2 X 7 = 10

	11⅔	23⅓	35	46⅔	58⅓	70	81⅔	93⅓	105	116⅔	**10**
10	128⅓	140	151⅔	163⅓	175	186⅔	198⅓	210	221⅔	233⅓	**20**
20	245	256⅔	268⅓	280	291⅔	303⅓	315	326⅔	338⅓	350	**30**
30	361⅔	373⅓	385	396⅔	408⅓	420	431⅔	443⅓	455	466⅔	**40**
40	478⅓	490	501⅔	513⅓	525	536⅔	548⅓	560	571⅔	583⅓	**50**
50	595	606⅔	618⅓	630	641⅔	653⅓	665	676⅔	688⅓	700	**60**
60	711⅔	723⅓	735	746⅔	758⅓	770	781⅔	793⅓	805	816⅔	**70**
70	828⅓	840	851⅔	863⅓	875	886⅔	898⅓	910	921⅔	933⅓	**80**
80	945	956⅔	968⅓	980	991⅔	1003⅓	1015	1026⅔	1038⅓	1050	**90**
90	1061⅔	1073⅓	1085	1096⅔	1108⅓	1120	1131⅔	1143⅓	1155	1166⅔	**100**

1 X 14 / 2 X 7 = 12

	14	28	42	56	70	84	98	112	126	140	**10**
10	154	168	182	196	210	224	238	252	266	280	**20**
20	294	308	322	336	350	364	378	392	406	420	**30**
30	434	448	462	476	490	504	518	532	546	560	**40**
40	574	588	602	616	630	644	658	672	686	700	**50**
50	714	728	742	756	770	784	798	812	826	840	**60**
60	854	868	882	896	910	924	938	952	966	980	**70**
70	994	1008	1022	1036	1050	1064	1078	1092	1106	1120	**80**
80	1134	1148	1162	1176	1190	1204	1218	1232	1246	1260	**90**
90	1274	1288	1302	1316	1330	1344	1358	1372	1386	1400	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
2 x42	1
4 x21	1
3 x28	1
5¼x16	1
6 x14	1
7 x12	1
8 x10½	1
1 x42	2
1½x28	2
2 x21	2
3 x14	2
3½x12	2
4 x10½	2
5¼x 8	2
6 x 7	2
½x56	3
1 x28	3
1¾x16	3
2 x14	3
3½x 8	3
4 x 7	3
1 x21	4
1¾x12	4

For Complete Table, See Page 25.

Size	Lth
2 x56	1
4 x28	1
7 x16	1
8 x14	1
1 x56	2
1¾x32	2
2 x28	2
3½x16	2
4 x14	2
7 x 8	2
½x56	4
1 x28	4
1¾x16	4
2 x14	4
4 x 7	4
¼x64	7
½x32	7

For Complete Table, See Page 34.

Size	Lth
5 x28	1
7 x20	1
10 x14	1
2½x28	2
3½x20	2
5 x14	2
7 x10	2
8 x 8¾	2
1¾x20	4
2½x14	4
3½x10	4
4 x 8¾	4
5 x 7	4
½x56	5
1 x28	5
2 x14	5
3½x 8	5
4 x 7	5

For Complete Table, See Page 42.

Size	Lth
3 x56	1
6 x28	1
8 x21	1
12 x14	1
3 x28	2
3½x24	2
4 x21	2
5¼x16	2
6 x14	2
7 x12	2
1 x56	3
2 x28	3
3½x16	3
4 x14	3
7 x 8	3
2 x21	4
3 x14	4
3½x12	4
4 x10½	4
5¼x 8	4
6 x 7	4

For Complete Table, See Page 50.

Size Lth

7 x28 - 1
14 x14 - 1
7 x14 - 2
8 x12¼ - 2
3½x14 - 4
4 x12¼ - 4
7 x 7 - 4
1 x28 - 7
2 x14 - 7
3½x 8 - 7
1¾x14 - 8
2 x12¼ - 8
3½x 7 - 8
1 x14 - 14
2 x 7 - 14
3½x 4 - 14
1 x12¼ - 16
1¾x 7 - 16
3½x 3½ - 16
1 x 4 - 49
2 x 2 - 49

½ X ¼ X ⅛ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	16⅓	32⅔	49	65⅓	81⅔	98	114⅓	130⅔	147	163⅓	10
10	179⅔	196	212⅓	228⅔	245	261⅓	277⅔	294	310⅓	326⅔	20
20	343	359⅓	375⅔	392	408⅓	424⅔	441	457⅓	473⅔	490	30
30	506⅓	522⅔	539	555⅓	571⅔	588	604⅓	620⅔	637	653⅓	40
40	669⅔	686⅓	702⅓	718⅔	735	751⅓	767⅔	784	800⅓	816⅔	50
50	833	849⅓	865⅔	882	898⅓	914⅔	931	947⅓	963⅔	980	60
60	996⅓	1012⅔	1029	1045⅓	1061⅔	1078	1094⅓	1110⅔	1127	1143⅓	70
70	1159⅔	1176	1192⅓	1208⅔	1225	1241⅓	1257⅔	1274	1290⅓	1306⅔	80
80	1323	1339⅓	1355⅔	1372	1388⅓	1404⅔	1421	1437⅓	1453⅔	1470	90
90	1486⅓	1502⅔	1519	1535⅓	1551⅔	1568	1584⅓	1600⅔	1617	1633⅓	100

4 x56 - 1
8 x28 - 1
7 x32 - 1
14 x16 - 1
2 x56 - 2
3½x32 - 2
4 x28 - 2
7 x16 - 2
8 x14 - 2
1 x56 - 4
2 x28 - 4
3½x16 - 4
4 x14 - 4
7 x 8 - 4
½x64 - 7
1 x32 - 7
2 x16 - 7
4 x 8 - 7

½ X ¼ X ⅛ = 16

	18⅔	37⅓	56	74⅔	93⅓	112	130⅔	149⅓	168	186⅔	10
10	205⅓	224	242⅔	261⅓	280	298⅔	317⅓	336	354⅔	373⅓	20
20	392	410⅔	429⅓	448	466⅔	485⅓	504	522⅔	541⅓	560	30
30	578⅔	597⅓	616	634⅔	653⅓	672	690⅔	709⅓	728	746⅔	40
40	765⅓	784	802⅔	821⅓	840	858⅔	877⅓	896	914⅔	933⅓	50
50	952	970⅔	989⅓	1008	1026⅔	1045⅓	1064	1082⅔	1101⅓	1120	60
60	1138⅔	1157⅓	1176	1194⅔	1213⅓	1232	1250⅔	1269⅓	1288	1306⅔	70
70	1325⅓	1344	1362⅔	1381⅓	1400	1418⅔	1437⅓	1456	1474⅔	1493⅓	80
80	1512	1530⅔	1549⅓	1568	1586⅔	1605⅓	1624	1642⅔	1661⅓	1680	90
90	1698⅔	1717⅓	1736	1754⅔	1773⅓	1792	1810⅔	1829⅓	1848	1866⅔	100

9 x28 - 1
12 x21 - 1
14 x18 - 1
4½x28 - 2
6 x21 - 2
9 x14 - 2
3 x28 - 3
3½x21 - 3
4 x21 - 3
6 x14 - 3
7 x12 - 3
8 x10½ - 3
3 x21 - 4
3½x18 - 4
4½x14 - 4
5¼x12 - 4
6 x10½ - 4
7 x 9 - 4

½ X ¼ X ⅛ = 18

	21	42	63	84	105	126	147	168	189	210	10
10	231	252	273	294	315	336	357	378	399	420	20
20	441	462	483	504	525	546	567	588	609	630	30
30	651	672	693	714	735	756	777	798	819	840	40
40	861	882	903	924	945	966	987	1008	1029	1050	50
50	1071	1092	1113	1134	1155	1176	1197	1218	1239	1260	60
60	1281	1302	1323	1344	1365	1386	1407	1428	1449	1470	70
70	1491	1512	1533	1554	1575	1596	1617	1638	1659	1680	80
80	1701	1722	1743	1764	1785	1806	1827	1848	1869	1890	90
90	1911	1932	1953	1974	1995	2016	2037	2058	2079	2100	100

5 x56 - 1
7 x40 - 1
10 x28 - 1
14 x20 - 1
5 x28 - 2
7 x20 - 2
10 x14 - 2
3½x20 - 4
5 x14 - 4
7 x10 - 4
2 x28 - 5
4 x14 - 5
7 x 8 - 5
3½x16 - 5
2 x20 - 7
2½x16 - 7
4 x10 - 7
5 x 8 - 7
2½x14 - 8
3½x10 - 8
5 x 7 - 8
2½x14 - 8
3¼x10 - 8

½ X ¼ X ⅛ = 20

	23⅓	46⅔	70	93⅓	116⅔	140	163⅓	186⅔	210	233⅓	10
10	256⅔	280	303⅓	326⅔	350	373⅓	396⅔	420	443⅓	466⅔	20
20	490	513⅓	536⅔	560	583⅓	606⅔	630	653⅓	676⅔	700	30
30	723⅓	746⅔	770	793⅓	816⅔	840	863⅓	886⅔	910	933⅓	40
40	956⅔	980	1003⅓	1026⅔	1050	1073⅓	1096⅔	1120	1143⅓	1166⅔	50
50	1190	1213⅓	1236⅔	1260	1283⅓	1306⅔	1330	1353⅓	1376⅔	1400	60
60	1423⅓	1446⅔	1470	1493⅓	1516⅔	1540	1563⅓	1586⅔	1610	1633⅓	70
70	1656⅔	1680	1703⅓	1726⅔	1750	1773⅓	1796⅔	1820	1843⅓	1866⅔	80
80	1890	1913⅓	1936⅔	1960	1983⅓	2006⅔	2030	2053⅓	2076⅔	2100	90
90	2123⅓	2146⅔	2170	2193⅓	2216⅔	2240	2263⅓	2286⅔	2310	2333⅓	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

For Complete Table See Page 64.
For Other Sizes and Lengths See Pages 73 and 85.
For Complete Table See Page 78.

1x14
2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

½ X 15 7½ = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	7½	15	22½	30	37½	45	52½	60	67½	75	10
10	82½	90	97½	105	112½	120	127½	135	142½	150	20
20	157½	165	172½	180	187½	195	202½	210	217½	225	30
30	232½	240	247½	255	262½	270	277½	285	292½	300	40
40	307½	315	322½	330	337½	345	352½	360	367½	375	50
50	382½	390	397½	405	412½	420	427½	435	442½	450	60
60	457½	465	472½	480	487½	495	502½	510	517½	525	70
70	532½	540	547½	555	562½	570	577½	585	592½	600	80
80	607½	615	622½	630	637½	645	652½	660	667½	675	90
90	682½	690	697½	705	712½	720	727½	735	742½	750	100

½ X 15 7½ = 8

	10	20	30	40	50	60	70	80	90	100	
10	110	120	130	140	150	160	170	180	190	200	20
20	210	220	230	240	250	260	270	280	290	300	30
30	310	320	330	340	350	360	370	380	390	400	40
40	410	420	430	440	450	460	470	480	490	500	50
50	510	520	530	540	550	560	570	580	590	600	60
60	610	620	630	640	650	660	670	680	690	700	70
70	710	720	730	740	750	760	770	780	790	800	80
80	810	820	830	840	850	860	870	880	890	900	90
90	910	920	930	940	950	960	970	980	990	1000	100

½ X 15 7½ = 10

	12½	25	37½	50	62½	75	87½	100	112½	125	
10	137½	150	162½	175	187½	200	212½	225	237½	250	20
20	262½	275	287½	300	312½	325	337½	350	362½	375	30
30	387½	400	412½	425	437½	450	462½	475	487½	500	40
40	512½	525	537½	550	562½	575	587½	600	612½	625	50
50	637½	650	662½	675	687½	700	712½	725	737½	750	60
60	762½	775	787½	800	812½	825	837½	850	862½	875	70
70	887½	900	912½	925	937½	950	962½	975	987½	1000	80
80	1012½	1025	1037½	1050	1062½	1075	1087½	1100	1112½	1125	90
90	1137½	1150	1162½	1175	1187½	1200	1212½	1225	1237½	1250	100

½ X 15 7½ = 12

	15	30	45	60	75	90	105	120	135	150	
10	165	180	195	210	225	240	255	270	285	300	20
20	315	330	345	360	375	390	405	420	435	450	30
30	465	480	495	510	525	540	555	570	585	600	40
40	615	630	645	660	675	690	705	720	735	750	50
50	765	780	795	810	825	840	855	870	885	900	60
60	915	930	945	960	975	990	1005	1020	1035	1050	70
70	1065	1080	1095	1110	1125	1140	1155	1170	1185	1200	80
80	1215	1230	1245	1260	1275	1290	1305	1320	1335	1350	90
90	1365	1380	1395	1410	1425	1440	1455	1470	1485	1500	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size Lth

1 x11¼ - 8
1¼x 9 - 8
1½x 7½- 8
2¼x 5 - 8
2½x 4½- 8
3 x 3¾- 8
1 x10 - 9
1¼x 8 - 9
2 x 5 - 9
1 x 9 -10
1½x 6 -10
2 x 4½-10
2¼x 4 -10
3 x 3 -10
1 x 7½-12
1¼x 6 -12
1½x 5 -12
2 x 3¾-12
1 x 6 -15
1½x 4 -15
2 x 3 -15
1 x 5 -18

For Other Sizes and Lengths, See Pages 22 and 38. Table No. 3

4 x30 - 1
5 x24 - 1
6 x20 - 1
7½x16 - 1
8 x15 - 1
10 x12 - 1
1 x60 - 2
2 x30 - 2
2½x24 - 2
3 x20 - 2
3¾x16 - 2
4 x15 - 2
5 x12 - 2
6 x10 - 2
7½x 8 - 2
½x80 - 3
1 x40 - 3
2 x20 - 3

For Complete Table, See Page 28 or 41.

10 x15 - 1
2½x30 - 2
5 x15 - 2
6 x12½- 2
4 x12½- 3
5 x10 - 3
3 x12½- 4
5 x 7½- 4
6 x 6¼- 4
1 x30 - 4
2 x15 - 4
3 x10 - 4
5 x 6 - 5
5 x 6¼- 5
3 x 5 -10
2 x 6¼-12
1 x10 -15
1 x 7½-20

6 x30 - 1
10 x18 - 1
12 x15 - 1
7½x24 - 1
3 x30 - 1
3¾x24 - 1
4½x20 - 1
5 x18 - 1
6 x15 - 1
7½x12 - 1
8 x11¼- 1
9 x10 - 1
2 x30 - 2
2½x24 - 2
3 x20 - 2
4 x15 - 2
5 x12 - 2
6 x10 - 2
7½x 8 - 2
1½x30 - 4
2¼x20 - 4
3 x15 - 4
3¾x12 - 4

For Complete Table, See Page 44.

For Complete Table See Pages 53 and 77. For Other Sizes and Lengths See Page 85, Table No. 3.

Size Lth

10 x21 - 1
14 x15 - 1
7 x15 - 2
5 x21 - 2
5 x14 - 3
7 x10 - 3
5 x10½ - 4
7 x 7½ - 4
3 x14 - 5
4 x10½ - 5
6 x 7 - 5
3½x10 - 6
5 x 7 - 6
1 x30 - 7
2 x15 - 7
2½x12 - 7
3 x10 - 7
5 x 6 - 7
2½x10½ - 8
3 x 8¾ - 8
1½x14 -10
2 x10½ -10

10 x24 - 1
12 x20 - 1
15 x16 - 1
3¾x32 - 2
4 x30 - 2
5 x24 - 2
6 x20 - 2
7½x16 - 2
8 x15 - 2
10 x12 - 2
2 x40 - 3
4 x20 - 3
2½x32 - 3
5 x16 - 3
8 x10 - 3
2 x30 - 4
2½x21 - 4
3 x20 - 4

3 x18 - 5
3 x15 - 6
2 x15 - 9
3 x10 - 9
5 x 6 - 9
1½x18 -10
3 x 9 -10
2½x 9 -12
1 x18 -15
2 x 9 -15
3 x 6 -15
2½x 6 -18
3 x 5 -18
1 x10 -27
2 x 5 -27
1 x 9 -30
3 x 3 -30
1 x10 -27

10 x10 - 3
5 x15 - 4
4 x15 - 5
7½x 8 - 5
1 x30 -10
2 x15 -10
3 x10 -10
5 x 5 -12
2½x10 -12
1 x20 -15
2 x10 -15
2½x 8 -15
2½x 6 -20
3 x 5 -20
2½x 5 -24
1¼x10 -24
1 x12 -25
2 x 6 -25
3 x 4 -25
1 x10 -30
2 x 5 -30
1 x 6 -50
2 x 3 -50

Page 85, Table No. 3.

Page 81

½ X 15/7½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	17½	35	52½	70	87½	105	122½	140	157½	175	**10**
10	192½	210	227½	245	262½	280	297½	315	332½	350	**20**
20	367½	385	402½	420	437½	455	472½	490	507½	525	**30**
30	542½	560	577½	595	612½	630	647½	665	682½	700	**40**
40	717½	735	752½	770	787½	805	822½	840	857½	875	**50**
50	892½	910	927½	945	962½	980	997½	1015	1032½	1050	**60**
60	1067½	1085	1102½	1120	1137½	1155	1172½	1190	1207½	1225	**70**
70	1242½	1260	1277½	1295	1312½	1330	1347½	1365	1382½	1400	**80**
80	1417½	1435	1452½	1470	1487½	1505	1522½	1540	1557½	1575	**90**
90	1592½	1610	1627½	1645	1662½	1680	1697½	1715	1732½	1750	**100**

½ X 15/7½ = 16

	20	40	60	80	100	120	140	160	180	200	**10**
10	220	240	260	280	300	320	340	360	380	400	**20**
20	420	440	460	480	500	520	540	560	580	600	**30**
30	620	640	660	680	700	720	740	760	780	800	**40**
40	820	840	860	880	900	920	940	960	980	1000	**50**
50	1020	1040	1060	1080	1100	1120	1140	1160	1180	1200	**60**
60	1220	1240	1260	1280	1300	1320	1340	1360	1380	1400	**70**
70	1420	1440	1460	1480	1500	1520	1540	1560	1580	1600	**80**
80	1620	1640	1660	1680	1700	1720	1740	1760	1780	1800	**90**
90	1820	1840	1860	1880	1900	1920	1940	1960	1980	2000	**100**

½ X 15/7½ = 18

	22½	45	67½	90	112½	135	157½	180	202½	225	**10**
10	247½	270	292½	315	337½	360	382½	405	427½	450	**20**
20	472½	495	517½	540	562½	585	607½	630	652½	675	**30**
30	697½	720	742½	765	787½	810	832½	855	877½	900	**40**
40	922½	945	967½	990	1012½	1035	1057½	1080	1102½	1125	**50**
50	1147½	1170	1192½	1215	1237½	1260	1282½	1305	1327½	1350	**60**
60	1372½	1395	1417½	1440	1462½	1485	1507½	1530	1552½	1575	**70**
70	1597½	1620	1642½	1665	1687½	1710	1732½	1755	1777½	1800	**80**
80	1822½	1845	1867½	1890	1912½	1935	1957½	1980	2002½	2025	**90**
90	2047½	2070	2092½	2115	2137½	2160	2182½	2205	2227½	2250	**100**

½ X 15/7½ = 20

	25	50	75	100	125	150	175	200	225	250	**10**
10	275	300	325	350	375	400	425	450	475	500	**20**
20	525	550	575	600	625	650	675	700	725	750	**30**
30	775	800	825	850	875	900	925	950	975	1000	**40**
40	1025	1050	1075	1100	1125	1150	1175	1200	1225	1250	**50**
50	1275	1300	1325	1350	1375	1400	1425	1450	1475	1500	**60**
60	1525	1550	1575	1600	1625	1650	1675	1700	1725	1750	**70**
70	1775	1800	1825	1850	1875	1900	1925	1950	1975	2000	**80**
80	2025	2050	2075	2100	2125	2150	2175	2200	2225	2250	**90**
90	2275	2300	2325	2350	2375	2400	2425	2450	2475	2500	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 X 16 / 4 X 4 / 2 X 8 = 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	5⅓	10⅔	16	21⅓	26⅔	32	37⅓	42⅔	48	53⅓	10
10	58⅔	64	69⅓	74⅔	80	85⅓	90⅔	96	101⅓	106⅔	20
20	112	117⅓	122⅔	128	133⅓	138⅔	144	149⅓	154⅔	160	30
30	165⅓	170⅔	176	181⅓	186⅔	192	197⅓	202⅔	208	213⅓	40
40	218⅔	224	229⅓	234⅔	240	245⅓	250⅔	256	261⅓	266⅔	50
50	272	277⅓	282⅔	288	293⅓	298⅔	304	309⅓	314⅔	320	60
60	325⅓	330⅔	336	341⅓	346⅔	352	357⅓	362⅔	368	373⅓	70
70	378⅔	384	389⅓	394⅔	400	405⅓	410⅔	416	421⅓	426⅔	80
80	432	437⅓	442⅔	448	453⅓	458⅔	464	469⅓	474⅔	480	90
90	485⅓	490⅔	496	501⅓	506⅔	512	517⅓	522⅔	528	533⅓	100

1 X 16 / 2 X 8 = 6

	8	16	24	32	40	48	56	64	72	80	
10	88	96	104	112	120	128	136	144	152	160	20
20	168	176	184	192	200	208	216	224	232	240	30
30	248	256	264	272	280	288	296	304	312	320	40
40	328	336	344	352	360	368	376	384	392	400	50
50	408	416	424	432	440	448	456	464	472	480	60
60	488	496	504	512	520	528	536	544	552	560	70
70	568	576	584	592	600	608	616	624	632	640	80
80	648	656	664	672	680	688	696	704	712	720	90
90	728	736	744	752	760	768	776	784	792	800	100

1 X 16 / 2 X 8 = 8

	10⅔	21⅓	32	42⅔	53⅓	64	74⅔	85⅓	96	106⅔	
10	117⅓	128	138⅔	149⅓	160	170⅔	181⅓	192	202⅔	213⅓	20
20	224	234⅔	245⅓	256	266⅔	277⅓	288	298⅔	309⅓	320	30
30	330⅔	341⅓	352	362⅔	373⅓	384	394⅔	405⅓	416	426⅔	40
40	437⅓	448	458⅔	469⅓	480	490⅔	501⅓	512	522⅔	533⅓	50
50	544	554⅔	565⅓	576	586⅔	597⅓	608	618⅔	629⅓	640	60
60	650⅔	661⅓	672	682⅔	693⅓	704	714⅔	725⅓	736	746⅔	70
70	757⅓	768	778⅔	789⅓	800	810⅔	821⅓	832	842⅔	853⅓	80
80	864	874⅔	885⅓	896	906⅔	917⅓	928	938⅔	949⅓	960	90
90	970⅔	981⅓	992	1002⅔	1013⅓	1024	1034⅔	1045⅓	1056	1066⅔	100

1 X 16 / 2 X 8 = 10

	13⅓	26⅔	40	53⅓	66⅔	80	93⅓	106⅔	120	133⅓	
10	146⅔	160	173⅓	186⅔	200	213⅓	226⅔	240	253⅓	266⅔	20
20	280	293⅓	306⅔	320	333⅓	346⅔	360	373⅓	386⅔	400	30
30	413⅓	426⅔	440	453⅓	466⅔	480	493⅓	506⅔	520	533⅓	40
40	546⅔	560	573⅓	586⅔	600	613⅓	626⅔	640	653⅓	666⅔	50
50	680	693⅓	706⅔	720	733⅓	746⅔	760	773⅓	786⅔	800	60
60	813⅓	826⅔	840	853⅓	866⅔	880	893⅓	906⅔	920	933⅓	70
70	946⅔	960	973⅓	986⅔	1000	1013⅓	1026⅔	1040	1053⅓	1066⅔	80
80	1080	1093⅓	1106⅔	1120	1133⅓	1146⅔	1160	1173⅓	1186⅔	1200	90
90	1213⅓	1226⅔	1240	1253⅓	1266⅔	1280	1293⅓	1306⅔	1320	1333⅓	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size Lth

1 x64 - 1
2 x32 - 1
4 x16 - 1
8 x 8 - 1
½x64 - 2
1 x32 - 2
2 x16 - 2
4 x 8 - 2
¼x64 - 4
½x32 - 4
1 x16 - 4
2 x 8 - 4
4 x 4 - 4
⅛x64 - 8
¼x32 - 8
½x16 - 8
1 x 8 - 8
2 x 4 - 8
⅛x32 - 16
¼x16 - 16
½x 8 - 16
1 x 4 - 16
2 x 2 - 16

See Also Page 18 or 31.

1 x96 - 1
2 x48 - 1
4 x24 - 1
6 x16 - 1
8 x12 - 1
½x96 - 2
1 x48 - 2
1½x32 - 2
2 x24 - 2
3 x16 - 2
4 x12 - 2
6 x 8 - 2
½x64 - 3
1 x32 - 3
2 x16 - 3
4 x 8 - 3
¼x96 - 4
½x48 - 4

For Complete Table, See Pages 26 and 33.

8 x16 - 1
1 x64 - 2
2 x32 - 2
4 x16 - 2
8 x 8 - 2
1 x32 - 4
2 x16 - 4
4 x 8 - 4
1 x16 - 8
2 x 8 - 8
4 x 4 - 8
⅛x64 - 16
¼x32 - 16
½x16 - 16
1 x 8 - 16
2 x 4 - 16
½x 4 - 32
1 x 4 - 32

4 x40 - 1
8 x20 - 1
10 x16 - 1
2½x32 - 2
4 x20 - 2
5 x16 - 2
8 x10 - 2
½x80 - 4
1 x40 - 4
2 x20 - 4
2½x16 - 4
4 x10 - 4
5 x 8 - 4
½x64 - 5
1 x32 - 5
2 x16 - 5
4 x 8 - 5
¼x80 - 8
½x40 - 8
1 x20 - 8
1¼x16 - 8

For Complete Table, See Page 37 or 43.

Size	Lth
8 x24	- 1
12 x16	- 1
1 x96	- 2
2 x48	- 2
4 x24	- 2
8 x12	- 2
6 x16	- 2
1 x64	- 3
2 x32	- 3
4 x16	- 3
8 x 8	- 3
½x96	- 4
1 x48	- 4
2 x24	- 4
4 x12	- 4
6 x 8	- 4
½x64	- 6
1 x32	- 6
2 x16	- 6
4 x 8	- 6
¼x96	- 8
½x48	- 8
1 x24	- 8
2 x12	- 8
1½x16	- 8
3 x 8	- 8
4 x 6	- 8
¼x64	-12
½x32	-12
1 x16	-12
2 x 8	-12
4 x 4	-12
⅛x96	-16
¼x48	-16
½x24	-16
1 x12	-16
1½x 8	-16
2 x 6	-16
3 x 4	-16
⅛x64	-24
¼x32	-24
½x16	-24
1 x 8	-24
2 x 4	-24
⅛x48	-32
¼x24	-32
½x12	-32
1 x 6	-32
2 x 3	-32
⅛x32	-48
¼x16	-48
½x 8	-48
1 x 4	-48
2 x 2	-48

2 x 8 / 4 x 4 / 1 x 16 = 12

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet	10 Pieces Feet	
	16	32	48	64	80	96	112	128	144	160	**10**
10	176	192	208	224	240	256	272	288	304	320	**20**
20	336	352	368	384	400	416	432	448	464	480	**30**
30	496	512	528	544	560	576	592	608	624	640	**40**
40	656	672	688	704	720	736	752	768	784	800	**50**
50	816	832	848	864	880	896	912	928	944	960	**60**
60	976	992	1008	1024	1040	1056	1072	1088	1104	1120	**70**
70	1136	1152	1168	1184	1200	1216	1232	1248	1264	1280	**80**
80	1296	1312	1328	1344	1360	1376	1392	1408	1424	1440	**90**
90	1456	1472	1488	1504	1520	1536	1552	1568	1584	1600	**100**
100	1616	1632	1648	1664	1680	1696	1712	1728	1744	1760	**110**
110	1776	1792	1808	1824	1840	1856	1872	1888	1904	1920	**120**
120	1936	1952	1968	1984	2000	2016	2032	2048	2064	2080	**130**
130	2096	2112	2128	2144	2160	2176	2192	2208	2224	2240	**140**
140	2256	2272	2288	2304	2320	2336	2352	2368	2384	2400	**150**
150	2416	2432	2448	2464	2480	2496	2512	2528	2544	2560	**160**
160	2576	2592	2608	2624	2640	2656	2672	2688	2704	2720	**170**
170	2736	2752	2768	2784	2800	2816	2832	2848	2864	2880	**180**
180	2896	2912	2928	2944	2960	2976	2992	3008	3024	3040	**190**
190	3056	3072	3088	3104	3120	3136	3152	3168	3184	3200	**200**
200	3216	3232	3248	3264	3280	3296	3312	3328	3344	3360	**210**
210	3376	3392	3408	3424	3440	3456	3472	3488	3504	3520	**220**
220	3536	3552	3568	3584	3600	3616	3632	3648	3664	3680	**230**
230	3696	3712	3728	3744	3760	3776	3792	3808	3824	3840	**240**
240	3856	3872	3888	3904	3920	3936	3952	3968	3984	4000	**250**
250	4016	4032	4048	4064	4080	4096	4112	4128	4144	4160	**260**
260	4176	4192	4208	4224	4240	4256	4272	4288	4304	4320	**270**
270	4336	4352	4368	4384	4400	4416	4432	4448	4464	4480	**280**
280	4496	4512	4528	4544	4560	4576	4592	4608	4624	4640	**290**
290	4656	4672	4688	4704	4720	4736	4752	4768	4784	4800	**300**
300	4816	4832	4848	4864	4880	4896	4912	4928	4944	4960	**310**
310	4976	4992	5008	5024	5040	5056	5072	5088	5104	5120	**320**
320	5136	5152	5168	5184	5200	5216	5232	5248	5264	5280	**330**
330	5296	5312	5328	5344	5360	5376	5392	5408	5424	5440	**340**
340	5456	5472	5488	5504	5520	5536	5552	5568	5584	5600	**350**
350	5616	5632	5648	5664	5680	5696	5712	5728	5744	5760	**360**
360	5776	5792	5808	5824	5840	5856	5872	5888	5904	5920	**370**
370	5936	5952	5968	5984	6000	6016	6032	6048	6064	6080	**380**
380	6096	6112	6128	6144	6160	6176	6192	6208	6224	6240	**390**
390	6256	6272	6288	6304	6320	6336	6352	6368	6384	6400	**400**
400	6416	6432	6448	6464	6480	6496	6512	6528	6544	6560	**410**
410	6576	6592	6608	6624	6640	6656	6672	6688	6704	6720	**420**
420	6736	6752	6768	6784	6800	6816	6832	6848	6864	6880	**430**
430	6896	6912	6928	6944	6960	6976	6992	7008	7024	7040	**440**
440	7056	7072	7088	7104	7120	7136	7152	7168	7184	7200	**450**
450	7216	7232	7248	7264	7280	7296	7312	7328	7344	7360	**460**
460	7376	7392	7408	7424	7440	7456	7472	7488	7504	7520	**470**
470	7536	7552	7568	7584	7600	7616	7632	7648	7664	7680	**480**
480	7696	7712	7728	7744	7760	7776	7792	7808	7824	7840	**490**
490	7856	7872	7888	7904	7920	7936	7952	7968	7984	8000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2x8
1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

2 x 8 / 4 x 4 / 1 x 16 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet	Feet	Feet	Feet.	Feet.	Feet.	Feet.	Feet	Feet	
	18⅔	37⅓	56	74⅔	93⅓	112	130⅔	149⅓	168	186⅔	**10**
10	205⅓	224	242⅔	261⅓	280	298⅔	317⅓	336	354⅔	373⅓	**20**
20	392	410⅔	429⅓	448	466⅔	485⅓	504	522⅔	541⅓	560	**30**
30	578⅔	597⅓	616	634⅔	653⅓	672	690⅔	709⅓	728	746⅔	**40**
40	765⅓	784	802⅔	821⅓	840	858⅔	877⅓	896	914⅔	933⅓	**50**
50	952	970⅔	989⅓	1008	1026⅔	1045⅓	1064	1082⅔	1101⅓	1120	**60**
60	1138⅔	1157⅓	1176	1194⅔	1213⅓	1232	1250⅔	1269⅓	1288	1306⅔	**70**
70	1325⅓	1344	1362⅔	1381⅓	1400	1418⅔	1437⅓	1456	1474⅔	1493⅓	**80**
80	1512	1530⅔	1549⅓	1568	1586⅔	1605⅓	1624	1642⅔	1661⅓	1680	**90**
90	1698⅔	1717⅓	1736	1754⅔	1773⅓	1792	1810⅔	1829⅓	1848	1866⅔	**100**
100	1885⅓	1904	1922⅔	1941⅓	1960	1978⅔	1997⅓	2016	2034⅔	2053⅓	**110**
110	2072	2090⅔	2109⅓	2128	2146⅔	2165⅓	2184	2202⅔	2221⅓	2240	**120**
120	2258⅔	2277⅓	2296	2314⅔	2333⅓	2352	2370⅔	2389⅓	2408	2426⅔	**130**
130	2445⅓	2464	2482⅔	2501⅓	2520	2538⅔	2557⅓	2576	2594⅔	2613½	**140**
140	2632	2650⅔	2669⅓	2688	2706⅔	2725⅓	2744	2762⅔	2781⅓	2800	**150**
150	2818⅔	2837⅓	2856	2874⅔	2893⅓	2912	2930⅔	2949⅓	2968	2986⅔	**160**
160	3005⅓	3024	3042⅔	3061⅓	3080	3098⅔	3117⅓	3136	3154⅔	3173½	**170**
170	3192	3210⅔	3229⅓	3248	3266⅔	3285⅓	3304	3322⅔	3341⅓	3360	**180**
180	3378⅔	3397⅓	3416	3434⅔	3453⅓	3472	3490⅔	3509⅓	3528	3546⅔	**190**
190	3565⅓	3584	3602⅔	3621⅓	3640	3658⅔	3677⅓	3696	3714⅔	3733½	**200**
200	3752	3770⅔	3789⅓	3808	3826⅔	3845⅓	3864	3882⅔	3901⅓	3920	**210**
210	3938⅔	3957⅓	3976	3994⅔	4013⅓	4032	4050⅔	4069⅓	4088	4106⅔	**220**
220	4125⅓	4144	4162⅔	4181⅓	4200	4218⅔	4237⅓	4256	4274⅔	4293⅓	**230**
230	4312	4330⅔	4349⅓	4368	4386⅔	4405⅓	4424	4442⅔	4461⅓	4480	**240**
240	4498⅔	4517⅓	4536	4554⅔	4573⅓	4592	4610⅔	4629⅓	4648	4666⅔	**250**
250	4685⅓	4704	4722⅔	4741⅓	4760	4778⅔	4797⅓	4816	4834⅔	4853⅓	**260**
260	4872	4890⅔	4909⅓	4928	4946⅔	4965⅓	4984	5002⅔	5021⅓	5040	**270**
270	5058⅔	5077⅓	5096	5114⅔	5133⅓	5152	5170⅔	5189⅓	5208	5226⅔	**280**
280	5245⅓	5264	5282⅔	5301⅓	5320	5338⅔	5357⅓	5376	5394⅔	5413⅓	**290**
290	5432	5450⅔	5469⅓	5488	5506⅔	5525⅓	5544	5562⅔	5581⅓	5600	**300**
300	5618⅔	5637⅓	5656	5674⅔	5693⅓	5712	5730⅔	5749⅓	5768	5786⅔	**310**
310	5805⅓	5824	5842⅔	5861⅓	5880	5898⅔	5917⅓	5936	5954⅔	5973⅓	**320**
320	5992	6010⅔	6029⅓	6048	6066⅔	6085⅓	6104	6122⅔	6141⅓	6160	**330**
330	6178⅔	6197⅓	6216	6234⅔	6253⅓	6272	6290⅔	6309⅓	6328	6346⅔	**340**
340	6365⅓	6384	6402⅔	6421⅓	6440	6458⅔	6477⅓	6496	6514⅔	6533⅓	**350**
350	6552	6570⅔	6589⅓	6608	6626⅔	6645⅓	6664	6682⅔	6701⅓	6720	**360**
360	6738⅔	6757⅓	6776	6794⅔	6813⅓	6832	6850⅔	6869⅓	6888	6906⅔	**370**
370	6925⅓	6944	6962⅔	6981⅓	7000	7018⅔	7037⅓	7056	7074⅔	7093⅓	**380**
380	7112	7130⅔	7149⅓	7168	7186⅔	7205⅓	7224	7242⅔	7261⅓	7280	**390**
390	7298⅔	7317⅓	7336	7354⅔	7373⅓	7392	7410⅔	7429⅓	7448	7466⅔	**400**
400	7485⅓	7504	7522⅔	7541⅓	7560	7578⅔	7597⅓	7616	7634⅔	7653⅓	**410**
410	7672	7690⅔	7709⅓	7728	7746⅔	7765⅓	7784	7802⅔	7821⅓	7840	**420**
420	7858⅔	7877⅓	7896	7914⅔	7933⅓	7952	7970⅔	7989⅓	8008	8026⅔	**430**
430	8045⅓	8064	8082⅔	8101⅓	8120	8138⅔	8157⅓	8176	8194⅔	8213⅓	**440**
440	8232	8250⅔	8269⅓	8288	8306⅔	8325⅓	8344	8362⅔	8381⅓	8400	**450**
450	8418⅔	8437⅓	8456	8474⅔	8493⅓	8512	8530⅔	8549⅓	8568	8586⅔	**460**
460	8605⅓	8624	8642⅔	8661⅓	8680	8698⅔	8717⅓	8736	8754⅔	8773⅓	**470**
470	8792	8810⅔	8829⅓	8848	8866⅔	8885⅓	8904	8922⅔	8941⅓	8960	**480**
480	8978⅔	8997⅓	9016	9034⅔	9053⅓	9072	9090⅔	9109⅓	9128	9146⅔	**490**
490	9165⅓	9184	9202⅔	9221⅓	9240	9258⅔	9277⅓	9296	9314⅔	9333⅓	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
4 x56	- 1
8 x28	- 1
7 x32	- 1
14 x16	- 1
2 x56	- 2
3½x32	- 2
4 x28	- 2
7 x16	- 2
8 x14	- 2
1 x56	- 4
2 x28	- 4
3½x16	- 4
4 x14	- 4
7 x 8	- 4
½x64	- 7
1 x32	- 7
2 x16	- 7
4 x 8	- 7
½x56	- 8
1 x28	- 8
1¾x16	- 8
2 x14	- 8
3½x 8	- 8
4 x 7	- 8
¼x64	-14
½x32	-14
1 x16	-14
2 x 8	-14
4 x 4	-14
¼x56	-16
½x28	-16
1 x14	-16
1¾x 8	-16
2 x 7	-16
3½x 4	-16
⅛x64	-28
¼x32	-28
½x16	-28
1 x 8	-28
2 x 4	-28

Size	Lth
7 x40	- 1
8 x32	- 1
16 x16	- 1
4 x32	- 2
8 x16	- 2
1 x64	- 4
2 x32	- 4
4 x16	- 4
8 x 8	- 4
½x64	- 8
1 x32	- 8
2 x16	- 8
4 x 8	- 8
¼x64	-16
½x32	-16
1 x16	-16
2 x 8	-16
4 x 4	-16
⅛x64	-32
¼x32	-32
½x16	-32
1 x 8	-32
2 x 4	-32

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2 x 8 / 4 x 4 / 1 x 16 = 16

	1 Piece. Feet.	2 Pieces. Feet.	3 Pieces. Feet.	4 Pieces. Feet.	5 Pieces. Feet.	6 Pieces. Feet.	7 Pieces. Feet.	8 Pieces. Feet.	9 Pieces. Feet.	10 Pieces. Feet.	
	21⅓	42⅔	64	85⅓	106⅔	128	149⅓	170⅔	192	213⅓	10
10	234⅔	256	277⅓	298⅔	320	341⅓	362⅔	384	405⅓	426⅔	20
20	448	469⅓	490⅔	512	533⅓	554⅔	576	597⅓	618⅔	640	30
30	661⅓	682⅔	704	725⅓	746⅔	768	789⅓	810⅔	832	853⅓	40
40	874⅔	896	917⅓	938⅔	960	981⅓	1002⅔	1024	1045⅓	1066⅔	50
50	1088	1109⅓	1130⅔	1152	1173⅓	1194⅔	1216	1237⅓	1258⅔	1280	60
60	1301⅓	1322⅔	1344	1365⅓	1386⅔	1408	1429⅓	1450⅔	1472	1493⅓	70
70	1514⅔	1536	1557⅓	1578⅔	1600	1621⅓	1642⅔	1664	1685⅓	1706⅔	80
80	1728	1749⅓	1770⅔	1792	1813⅓	1834⅔	1856	1877⅓	1898⅔	1920	90
90	1941⅓	1962⅔	1984	2005⅓	2026⅔	2048	2069⅓	2090⅔	2112	2133⅓	100
100	2154⅔	2176	2197⅓	2218⅔	2240	2261⅓	2282⅔	2304	2325⅓	2346⅔	110
110	2368	2389⅓	2410⅔	2432	2453⅓	2474⅔	2496	2517⅓	2538⅔	2560	120
120	2581⅓	2602⅔	2624	2645⅓	2666⅔	2688	2709⅓	2730⅔	2752	2773⅓	130
130	2794⅔	2816	2837⅓	2858⅔	2880	2901⅓	2922⅔	2944	2965⅓	2986⅔	140
140	3008	3029⅓	3050⅔	3072	3093⅓	3114⅔	3136	3157⅓	3178⅔	3200	150
150	3221⅓	3242⅔	3264	3285⅓	3306⅔	3328	3349⅓	3370⅔	3392	3413⅓	160
160	3434⅔	3456	3477⅓	3498⅔	3520	3541⅓	3562⅔	3581	3605⅓	3626⅔	170
170	3648	3669⅓	3690⅔	3712	3733⅓	3754⅔	3776	3797⅓	3818⅔	3840	180
180	3861⅓	3882⅔	3904	3925⅓	3946⅔	3968	3989⅓	4010⅔	4032	4053⅓	190
190	4074⅔	4096	4117⅓	4138⅔	4160	4181⅓	4202⅔	4224	4245⅓	4266⅔	200
200	4288	4309⅓	4330⅔	4352	4373⅓	4394⅔	4416	4437⅓	4458⅔	4480	210
210	4501⅓	4522⅔	4544	4565⅓	4586⅔	4608	4629⅓	4650⅔	4672	4693⅓	220
220	4714⅔	4736	4757⅓	4778⅔	4800	4821⅓	4842⅔	4864	4885⅓	4906⅔	230
230	4928	4949⅓	4970⅔	4992	5013⅓	5034⅔	5056	5077⅓	5098⅔	5120	240
240	5141⅓	5162⅔	5184	5205⅓	5226⅔	5248	5269⅓	5290⅔	5312	5333⅓	250
250	5354⅔	5376	5397⅓	5418⅔	5440	5461⅓	5482⅔	5504	5525⅓	5546⅔	260
260	5568	5589⅓	5610⅔	5632	5653⅓	5674⅔	5696	5717⅓	5738⅔	5760	270
270	5781⅓	5802⅔	5824	5845⅓	5866⅔	5888	5909⅓	5930⅔	5952	5973⅓	280
280	5994⅔	6016	6037⅓	6058⅔	6080	6101⅓	6122⅔	6144	6165⅓	6186⅔	290
290	6208	6229⅓	6250⅔	6272	6293⅓	6314⅔	6336	6357⅓	6378⅔	6400	300
300	6421⅓	6442⅔	6464	6485⅓	6506⅔	6528	6549⅓	6570⅔	6592	6613⅓	310
310	6634⅔	6656	6677⅓	6698⅔	6720	6741⅓	6762⅔	6784	6805⅓	6826⅔	320
320	6848	6869⅓	6890⅔	6912	6933⅓	6954⅔	6976	6997⅓	7018⅔	7040	330
330	7061⅓	7082⅔	7104	7125⅓	7146⅔	7168	7189⅓	7210⅔	7232	7253⅓	340
340	7274⅔	7296	7317⅓	7338⅔	7360	7381⅓	7402⅔	7424	7445⅓	7466⅔	350
350	7488	7509⅓	7530⅔	7552	7573⅓	7594⅔	7616	7637⅓	7658⅔	7680	360
360	7701⅓	7722⅔	7744	7765⅓	7786⅔	7808	7829⅓	7850⅔	7872	7893⅓	370
370	7914⅔	7936	7957⅓	7978⅔	8000	8021⅓	8042⅔	8064	8085⅓	8106⅔	380
380	8128	8149⅓	8170⅔	8192	8213⅓	8234⅔	8256	8277⅓	8298⅔	8320	390
390	8341⅓	8362⅔	8384	8405⅓	8426⅔	8448	8469⅓	8490⅔	8512	8533⅓	400
400	8554⅔	8576	8597⅓	8618⅔	8640	8661⅓	8682⅔	8704	8725⅓	8746⅔	410
410	8768	8789⅓	8810⅔	8832	8853⅓	8874⅔	8896	8917⅓	8938⅔	8960	420
420	8981⅓	9002⅔	9024	9045⅓	9066⅔	9088	9109⅓	9130⅔	9152	9173⅓	430
430	9194⅔	9216	9237⅓	9258⅔	9280	9301⅓	9322⅔	9344	9365⅓	9386⅔	440
440	9408	9429⅓	9450⅔	9472	9493⅓	9514⅔	9536	9557⅓	9578⅔	9600	450
450	9621⅓	9642⅔	9664	9685⅓	9706⅔	9728	9749⅓	9770⅔	9792	9813⅓	460
460	9834⅔	9856	9877⅓	9898⅔	9920	9941⅓	9962⅔	9984	10005⅓	10026⅔	470
470	10048	10069⅓	10090⅔	10112	10133⅓	10154⅔	10176	10197⅓	10218⅔	10240	480
480	10261⅓	10282⅔	10304	10325⅓	10346⅔	10368	10389⅓	10410⅔	10432	10453⅓	490
490	10474⅔	10496	10517⅓	10538⅔	10560	10581⅓	10602⅔	10624	10645⅓	10666⅔	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

$$\begin{matrix} 2 \times & 8 \\ 4 \times & 4 \\ 1 \times & 16 \end{matrix} = 18$$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	Feet	Feet.	
	24	48	72	96	120	144	168	192	216	240	**10**
10	264	288	312	336	360	384	408	432	456	480	**20**
20	504	528	552	576	600	624	648	672	696	720	**30**
30	744	768	792	816	840	864	888	912	936	960	**40**
40	984	1008	1032	1056	1080	1104	1128	1152	1176	1200	**50**
50	1224	1248	1272	1296	1320	1344	1368	1392	1416	1440	**60**
60	1464	1488	1512	1536	1560	1584	1608	1632	1656	1680	**70**
70	1704	1728	1752	1776	1800	1824	1848	1872	1896	1920	**80**
80	1944	1968	1992	2016	2040	2064	2088	2112	2136	2160	**90**
90	2184	2208	2232	2256	2280	2304	2328	2352	2376	2400	**100**
100	2424	2448	2472	2496	2520	2544	2568	2592	2616	2640	**110**
110	2664	2688	2712	2736	2760	2784	2808	2832	2856	2880	**120**
120	2904	2928	2952	2976	3000	3024	3048	3072	3096	3120	**130**
130	3144	3168	3192	3216	3240	3264	3288	3312	3336	3360	**140**
140	3384	3408	3432	3456	3480	3504	3528	3552	3576	3600	**150**
150	3624	3648	3672	3696	3720	3744	3768	3792	3816	3840	**160**
160	3864	3888	3912	3936	3960	3984	4008	4032	4056	4080	**170**
170	4104	4128	4152	4176	4200	4224	4248	4272	4296	4320	**180**
180	4344	4368	4392	4416	4440	4464	4488	4512	4536	4560	**190**
190	4584	4608	4632	4656	4680	4704	4728	4752	4776	4800	**200**
200	4824	4848	4872	4896	4920	4944	4968	4992	5016	5040	**210**
210	5064	5088	5112	5136	5160	5184	5208	5232	5256	5280	**220**
220	5304	5328	5352	5376	5400	5424	5448	5472	5496	5520	**230**
230	5544	5568	5592	5616	5640	5664	5688	5712	5736	5760	**240**
240	5784	5808	5832	5856	5880	5904	5928	5952	5976	6000	**250**
250	6024	6048	6072	6096	6120	6144	6168	6192	6216	6240	**260**
260	6264	6288	6312	6336	6360	6384	6408	6432	6456	6480	**270**
270	6504	6528	6552	6576	6600	6624	6648	6672	6696	6720	**280**
280	6744	6768	6792	6816	6840	6864	6888	6912	6936	6960	**290**
290	6984	7008	7032	7056	7080	7104	7128	7152	7176	7200	**300**
300	7224	7248	7272	7296	7320	7344	7368	7392	7416	7440	**310**
310	7464	7488	7512	7536	7560	7584	7608	7632	7656	7680	**320**
320	7704	7728	7752	7776	7800	7824	7848	7872	7896	7920	**330**
330	7944	7968	7992	8016	8040	8064	8088	8112	8136	8160	**340**
340	8184	8208	8232	8256	8280	8304	8328	8352	8376	8400	**350**
350	8424	8448	8472	8496	8520	8544	8568	8592	8616	8640	**360**
360	8664	8688	8712	8736	8760	8784	8808	8832	8856	8880	**370**
370	8904	8928	8952	8976	9000	9024	9048	9072	9096	9120	**380**
380	9144	9168	9192	9216	9240	9264	9288	9312	9336	9360	**390**
390	9384	9408	9432	9456	9480	9504	9528	9552	9576	9600	**400**
400	9624	9648	9672	9696	9720	9744	9768	9792	9816	9840	**410**
410	9864	9888	9912	9936	9960	9984	10008	10032	10056	10080	**420**
420	10104	10128	10152	10176	10200	10224	10248	10272	10296	10320	**430**
430	10344	10368	10392	10416	10440	10464	10488	10512	10536	10560	**440**
440	10584	10608	10632	10656	10680	10704	10728	10752	10776	10800	**450**
450	10824	10848	10872	10896	10920	10944	10968	10992	11016	11040	**460**
460	11064	11088	11112	11136	11160	11184	11208	11232	11256	11280	**470**
470	11304	11328	11352	11376	11400	11424	11448	11472	11496	11520	**480**
480	11544	11568	11592	11616	11640	11664	11688	11712	11736	11760	**490**
490	11784	11808	11832	11856	11880	11904	11928	11952	11976	12000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
6	x48 - 1
8	x36 - 1
9	x32 - 1
12	x24 - 1
16	x18 - 1
4	x36 - 2
4½	x32 - 2
6	x24 - 2
8	x18 - 2
9	x16 - 2
12	x12 - 2
3	x32 - 3
4	x24 - 3
6	x16 - 3
8	x12 - 3
1½	x48 - 4
2¼	x32 - 4
4	x18 - 4
6	x12 - 4
8	x 9 - 4
1	x48 - 6
1½	x32 - 6
2	x24 - 6
3	x16 - 6
4	x12 - 6
6	x 8 - 6
1	x36 - 8
1½	x24 - 8
2	x18 - 8
2¼	x16 - 8
3	x12 - 8
4	x 9 - 8
4½	x 8 - 8
6	x 6 - 8
½	x64 - 9
1	x32 - 9
2	x16 - 9
4	x 8 - 9
½	x48 - 12
1	x24 - 12
1½	x16 - 12
2	x12 - 12
3	x 8 - 12
4	x 6 - 12
½	x36 - 16
1	x18 - 16
1½	x12 - 16
2	x 9 - 16
2¼	x 8 - 16
3	x 6 - 16
4	x 4½ - 16
½	x32 - 18
1	x16 - 18
2	x 8 - 18
4	x 4 - 18
½	x24 - 24
1	x12 - 24
2	x 6 - 24
3	x 4 - 24
½	x18 - 32
1	x 9 - 32
3	x 3 - 32
½	x16 - 36
1	x 8 - 36
2	x 4 - 36
½	x12 - 48
1	x 6 - 48
2	x 3 - 48

Size	Lth
8 x40	- 1
10 x32	- 1
16 x20	- 1
4 x40	- 2
5 x32	- 2
8 x20	- 2
10 x16	- 2
2½x32	- 4
2 x40	- 4
4 x20	- 4
5 x16	- 4
8 x10	- 4
2 x32	- 5
4 x16	- 5
8 x 8	- 5
1 x40	- 8
1¼x32	- 8
2 x20	- 8
2½x16	- 8
4 x10	- 8
5 x 8	- 8
1 x32	-10
2 x16	-10
4 x 8	-10
1 x20	-16
1¼x16	-16
2 x10	-16
4 x 5	-16
1 x16	-20
2 x 8	-20
4 x 4	-20
1 x10	-32
2 x 5	-32
1 x 8	-40
2 x 4	-40

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2 x 8, 4 x 4, 1 x 16 = 20

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet	9 Pieces Feet.	10 Pieces Feet.	
	26⅔	53⅓	80	106⅔	133⅓	160	186⅔	213⅓	240	266⅔	10
10	293⅓	320	346⅔	373⅓	400	426⅔	453⅓	480	506⅔	533⅓	20
20	560	586⅔	613⅓	640	666⅔	693⅓	720	746⅔	773⅓	800	30
30	826⅔	853⅓	880	906⅔	933⅓	960	986⅔	1013⅓	1040	1066⅔	40
40	1093⅓	1120	1146⅔	1173⅓	1200	1226⅔	1253⅓	1280	1306⅔	1333⅓	50
50	1360	1386⅔	1413⅓	1440	1466⅔	1493⅓	1520	1546⅔	1573⅓	1600	60
60	1626⅔	1653⅓	1680	1706⅔	1733⅓	1760	1786⅔	1313⅓	1840	1866⅔	70
70	1893⅓	1920	1946⅔	1973⅓	2000	2026⅔	2053⅓	2080	2106⅔	2133⅓	80
80	2160	2186⅔	2213⅓	2240	2266⅔	2293⅓	2320	2346⅔	2373⅓	2400	90
90	2426⅔	2453⅓	2480	2506⅔	2533⅓	2560	2586⅔	2613⅓	2640	2666⅔	100
100	2693⅓	2720	2746⅔	2773⅓	2800	2826⅔	2853⅓	2880	2906⅔	2933⅓	110
110	2960	2986⅔	3013⅓	3040	3066⅔	3093⅓	3120	3146⅔	3173⅓	3200	120
120	3226⅔	3253⅓	3280	3306⅔	3333⅓	3360	3386⅔	3413⅓	3440	3466⅔	130
130	3493⅓	3520	3546⅔	3573⅓	3600	3626⅔	3653⅓	3680	3706⅔	3733⅓	140
140	3760	3786⅔	3813⅓	3840	3866⅔	3893⅓	3920	3946⅔	3973⅓	4000	150
150	4026⅔	4053⅓	4080	4106⅔	4133⅓	4160	4186⅔	4213⅓	4240	4266⅔	160
160	4293⅓	4320	4346⅔	4373⅓	4400	4426⅔	4453⅓	4480	4506⅔	4533⅓	170
170	4560	4586⅔	4613⅓	4640	4666⅔	4693⅓	4720	4746⅔	4773⅓	4800	180
180	4826⅔	4853⅓	4880	4906⅔	4933⅓	4960	4986⅔	5013⅓	5040	5066⅔	190
190	5093⅓	5120	5146⅔	5173⅓	5200	5226⅔	5253⅓	5280	5306⅔	5333⅓	200
200	5360	5386⅔	5413⅓	5440	5466⅔	5493⅓	5520	5546⅔	5573⅓	5600	210
210	5626⅔	5653⅓	5680	5706⅔	5733⅓	5760	5786⅔	5813⅓	5840	5866⅔	220
220	5893⅓	5920	5946⅔	5973⅓	6000	6026⅔	6053⅓	6080	6106⅔	6133⅓	230
230	6160	6186⅔	6213⅓	6240	6266⅔	6293⅓	6320	6346⅔	6373⅓	6400	240
240	6426⅔	6453⅓	6480	6506⅔	6533⅓	6560	6586⅔	6613⅓	6640	6666⅔	250
250	6693⅓	6720	6746⅔	6773⅓	6800	6826⅔	6853⅓	6880	6906⅔	6933⅓	260
260	6960	6986⅔	7013⅓	7040	7066⅔	7093⅓	7120	7146⅔	7173⅓	7200	270
270	7226⅔	7253⅓	7280	7306⅔	7333⅓	7360	7386⅔	7413⅓	7440	7466⅔	280
280	7493⅓	7520	7546⅔	7573⅓	7600	7626⅔	7653⅓	7680	7706⅔	7733⅓	290
290	7760	7786⅔	7813⅓	7840	7866⅔	7893⅓	7920	7946⅔	7973⅓	8000	300
300	8026⅔	8053⅓	8080	8106⅔	8133⅓	8160	8186⅔	8213⅓	8240	8266⅔	310
310	8293⅓	8320	8346⅔	8373⅓	8400	8426⅔	8453⅓	8480	8506⅔	8533⅓	320
320	8560	8586⅔	8613⅓	8640	8666⅔	8693⅓	8720	8746⅔	8773⅓	8800	330
330	8826⅔	8853⅓	8880	8906⅔	8933⅓	8960	8986⅔	9013⅓	9040	9066⅔	340
340	9093⅓	9120	9146⅔	9173⅓	9200	9226⅔	9253⅓	9280	9306⅔	9333⅓	350
350	9360	9386⅔	9413⅓	9440	9466⅔	9493⅓	9520	9546⅔	9573⅓	9600	360
360	9626⅔	9653⅓	9680	9706⅔	9733⅓	9760	9786⅔	9813⅓	9840	9866⅔	370
370	9893⅓	9920	9946⅔	9973⅓	10000	10026⅔	10053⅓	10080	10106⅔	10133⅓	380
380	10160	10186⅔	10213⅓	10240	10266⅔	10293⅓	10320	10346⅔	10373⅓	10400	390
390	10426⅔	10453⅓	10480	10506⅔	10533½	10560	10586⅔	10613⅓	10640	10666⅔	400
400	10693⅓	10720	10746⅔	10773⅓	10800	10826⅔	10853⅓	10880	10906⅔	10933⅓	410
410	10960	10986⅔	11013⅓	11040	11066⅔	11093⅓	11120	11146⅔	11173⅓	11200	420
420	11226⅔	11253⅓	11280	11306⅔	11333⅓	11360	11386⅔	11413⅓	11440	11466⅔	430
430	11493⅓	11520	11546⅔	11573⅓	11600	11626⅔	11653⅓	11680	11706⅔	11733⅓	440
440	11760	11786⅔	11813⅓	11840	11866⅔	11893⅓	11920	11946⅔	11973⅓	12000	450
450	12026⅔	12053⅓	12080	12106⅔	12133⅓	12160	12186⅔	12213⅓	12240	12266⅔	460
460	12293⅓	12320	12346⅔	12373⅓	12400	12426⅔	12453⅓	12480	12506⅔	12533⅓	470
470	12560	12586⅔	12613⅓	12640	12666⅔	12693⅓	12720	12746⅔	12773⅓	12800	480
480	12826⅔	12853⅓	12880	12906⅔	12933⅓	12960	12986⅔	13013⅓	13040	13066⅔	490
490	13093⅓	13120	13146⅔	13173⅓	13200	13226⅔	13253⅓	13280	13306⅔	13333⅓	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	L.th
8 x44	- 1
11 x32	- 1
16 x22	- 1
4 x44	- 2
8 x22	- 2
11 x16	- 2
2 x44	- 4
4 x44	- 4
8 x11	- 4
½x88	- 8
1 x44	- 8
2 x22	- 8
2¾-16	- 8
4 x11	- 8
5½x 8	- 8
½x64	-11
1 x32	-11
2 x16	-11
4 x 8	-11
½x44	-16
2 x11	-16
2¾x 8	-16
4 x 5½	-16
¼x64	-22
½x32	-22
1 x16	-22
2 x 8	-22
4 x 4	-22
¼x32	-44
½x16	-44
1 x 8	-44
2 x 4	-44

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2 x 8 / 4 x 4 / 1 x 16 = 22

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	29⅓	58⅔	88	117⅓	146⅔	176	205⅓	234⅔	264	293⅓	10
10	322⅔	352	381⅓	410⅔	440	469⅓	498⅔	528	557⅓	586⅔	20
20	616	645⅓	674⅔	704	733⅓	762⅔	792	821⅓	850⅔	880	30
30	909⅓	938⅔	968	997⅓	1026⅔	1056	1085⅓	1114⅔	1144	1173⅓	40
40	1202⅔	1232	1261⅓	1290⅔	1320	1349⅓	1378⅔	1408	1437⅓	1466⅔	50
50	1496	1525⅓	1554⅔	1584	1613⅓	1642⅔	1672	1701⅓	1730⅔	1760	60
60	1789⅓	1818⅔	1848	1877⅓	1906⅔	1936	1965⅓	1994⅔	2024	2053⅓	70
70	2082⅔	2112	2141⅓	2170⅔	2200	2229⅓	2258⅔	2288	2317⅓	2346⅔	80
80	2376	2405⅓	2434⅔	2464	2493⅓	2522⅔	2552	2581⅓	2610⅔	2640	90
90	2669⅓	2698⅔	2728	2757⅓	2786⅔	2816	2845⅓	2874⅔	2904	2933⅓	100
100	2962⅔	2992	3021⅓	3050⅔	3080	3109⅓	3138⅔	3168	3197⅓	3226⅔	110
110	3256	3285⅓	3314⅔	3344	3373⅓	3402⅔	3432	3461⅓	3490⅔	3520	120
120	3549⅓	3578⅔	3608	3637⅓	3666⅔	3696	3725⅓	3754⅔	3784	3813⅓	130
130	3842⅔	3872	3901⅓	3930⅔	3960	3989⅓	4018⅔	4048	4077⅓	4106⅔	140
140	4136	4165⅓	4194⅔	4224	4253⅓	4282⅔	4312	4341⅓	4370⅔	4400	150
150	4429⅓	4458⅔	4488	4517⅓	4546⅔	4576	4605⅓	4634⅔	4664	4693⅓	160
160	4722⅔	4752	4781⅓	4810⅔	4840	4869⅓	4898⅔	4928	4957⅓	4986⅔	170
170	5016	5045⅓	5074⅔	5104	5133⅓	5162⅔	5192	5221⅓	5250⅔	5280	180
180	5309⅓	5338⅔	5368	5397⅓	5426⅔	5456	5485⅓	5514⅔	5544	5573⅓	190
190	5602⅔	5632	5661⅓	5690⅔	5720	5749⅓	5778⅔	5808	5837⅓	5866⅔	200
200	5896	5925⅓	5954⅔	5984	6013⅓	6042⅔	6072	6101⅓	6130⅔	6160	210
210	6189⅓	6218⅔	6248	6277⅓	6306⅔	6336	6365⅓	6394⅔	6424	6453⅓	220
220	6482⅔	6512	6541⅓	6570⅔	6600	6629⅓	6658⅔	6688	6717⅓	6746⅔	230
230	6776	6805⅓	6834⅔	6864	6893⅓	6922⅔	6952	6981⅓	7010⅔	7040	240
240	7069⅓	7098⅔	7128	7157⅓	7186⅔	7216	7245⅓	7274⅔	7304	7333⅓	250
250	7362⅔	7392	7421⅓	7450⅔	7480	7509⅓	7538⅔	7568	7597⅓	7626⅔	260
260	7656	7685⅓	7714⅔	7744	7773⅓	7802⅔	7832	7861⅓	7890⅔	7920	270
270	7949⅓	7978⅔	8008	8037⅓	8066⅔	8096	8125⅓	8154⅔	8184	8213⅓	280
280	8242⅔	8272	8301⅓	8330⅔	8360	8389⅓	8418⅔	8448	8477⅓	8506⅔	290
290	8536	8565⅓	8594⅔	8624	8653⅓	8682⅔	8712	8741⅓	8770⅔	8800	300
300	8829⅓	8858⅔	8888	8917⅓	8946⅔	8976	9005⅓	9034⅔	9064	9093⅓	310
310	9122⅔	9152	9181⅓	9210⅔	9240	9269⅓	9298⅔	9328	9357⅓	9386⅔	320
320	9416	9445⅓	9474⅔	9504	9533⅓	9562⅔	9592	9621⅓	9650⅔	9680	330
330	9709⅓	9738⅔	9768	9797⅓	9826⅔	9856	9885⅓	9914⅔	9944	9973⅓	340
340	10002⅔	10032	10061⅓	10090⅔	10120	10149⅓	10178⅔	10208	10237⅓	10266⅔	350
350	10296	10325⅓	10354⅔	10384	10413⅓	10442⅔	10472	10501⅓	10530⅔	10560	360
360	10589⅓	10618⅔	10648	10677⅓	10706⅔	10736	10765⅓	10794⅔	10824	10853⅓	370
370	10882⅔	10912	10941⅓	10970⅔	11000	11029⅓	11058⅔	11088	11117⅓	11146⅔	380
380	11176	11205⅓	11234⅔	11264	11293⅓	11322⅔	11352	11381⅓	11410⅔	11440	390
390	11469⅓	11498⅔	11528	11557⅓	11586⅔	11616	11645⅓	11674⅔	11704	11733⅓	400
400	11762⅔	11792	11821⅓	11850⅔	11880	11909⅓	11938⅔	11968	11997⅓	12026⅔	410
410	12056	12085⅓	12114⅔	12144	12173⅓	12202⅔	12232	12261⅓	12290⅔	12320	420
420	12349⅓	12378⅔	12408	12437⅓	12466⅔	12496	12525⅓	12554⅔	12584	12613⅓	430
430	12642⅔	12672	12701⅓	12730⅔	12760	12789⅓	12818⅔	12848	12877⅓	12906⅔	440
440	12936	12965⅓	12994⅔	13024	13053⅓	13082⅔	13112	13141⅓	13170⅔	13200	450
450	13229⅓	13258⅔	13288	13317⅓	13346⅔	13376	13405⅓	13434⅔	13464	13493⅓	460
460	13522⅔	13552	13581⅓	13610⅔	13640	13669⅓	13698⅔	13728	13757⅓	13786⅔	470
470	13816	13845⅓	13874⅔	13904	13933⅓	13962⅔	13992	14021⅓	14050⅔	14080	480
480	14109⅓	14138⅔	14168	14197⅓	14226⅔	14256	14285⅓	14314⅔	14344	14373⅓	490
490	14402⅔	14432	14461⅓	14490⅔	14520	14549⅓	14578⅔	14608	14637⅓	14666⅔	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size		Lth
8	x48	- 1
16	x24	- 1
4	x48	- 2
8	x24	- 2
12	x16	- 2
2	x64	- 3
4	x32	- 3
8	x16	- 3
1	x96	- 4
2	x48	- 4
3	x32	- 4
4	x24	- 4
6	x16	- 4
8	x12	- 4
1	x64	- 6
2	x32	- 6
4	x16	- 6
8	x 8	- 6
1½	x32	- 8
½	x96	- 8
1	x48	- 8
2	x24	- 8
3	x16	- 8
4	x12	- 8
6	x 8	- 8
½	x64	-12
1	x32	-12
2	x16	-12
4	x 8	-12
¼	x96	-16
½	x48	-16
1	x24	-16
2	x12	-16
3	x 8	-16
4	x 6	-16
¼	x64	-24
½	x32	-24
1	x16	-24
2	x 8	-24
4	x 4	-24
⅛	x96	-32
¼	x48	-32
½	x24	-32
1	x12	-32
2	x 6	-32
3	x 4	-32
⅛	x64	-48
¼	x32	-48
½	x16	-48
1	x 8	-48
2	x 4	-48

2 x 8, 4 x 4, 1 x 16 = 24

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	32	64	96	128	160	192	224	256	288	320	**10**
10	352	384	416	448	480	512	544	576	608	640	**20**
20	672	704	736	768	800	832	864	896	928	960	**30**
30	992	1024	1056	1088	1120	1152	1184	1216	1248	1280	**40**
40	1312	1344	1376	1408	1440	1472	1504	1536	1568	1600	**50**
50	1632	1664	1696	1728	1760	1792	1824	1856	1888	1920	**60**
60	1952	1984	2016	2048	2080	2112	2144	2176	2208	2240	**70**
70	2272	2304	2336	2368	2400	2432	2464	2496	2528	2560	**80**
80	2592	2624	2656	2688	2720	2752	2784	2816	2848	2880	**90**
90	2912	2944	2976	3008	3040	3072	3104	3136	3168	3200	**100**
100	3232	3264	3296	3328	3360	3392	3424	3456	3488	3520	**110**
110	3552	3584	3616	3648	3680	3712	3744	3776	3808	3840	**120**
120	3872	3904	3936	3968	4000	4032	4064	4096	4128	4160	**130**
130	4192	4224	4256	4288	4320	4352	4384	4416	4448	4480	**140**
140	4512	4544	4576	4608	4640	4672	4704	4736	4768	4800	**150**
150	4832	4864	4896	4928	4960	4992	5024	5056	5088	5120	**160**
160	5152	5184	5216	5248	5280	5312	5344	5376	5408	5440	**170**
170	5472	5504	5536	5568	5600	5632	5664	5696	5728	5760	**180**
180	5792	5824	5856	5888	5920	5952	5984	6016	6048	6080	**190**
190	6112	6144	6176	6208	6240	6272	6304	6336	6368	6400	**200**
200	6432	6464	6496	6528	6560	6592	6624	6656	6688	6720	**210**
210	6752	6784	6816	6848	6880	6912	6944	6976	7008	7040	**220**
220	7072	7104	7136	7168	7200	7232	7264	7296	7328	7360	**230**
230	7392	7424	7456	7488	7520	7552	7584	7616	7648	7680	**240**
240	7712	7744	7776	7808	7840	7872	7904	7936	7968	8000	**250**
250	8032	8064	8096	8128	8160	8192	8224	8256	8288	8320	**260**
260	8352	8384	8416	8448	8480	8512	8544	8576	8608	8640	**270**
270	8672	8704	8736	8768	8800	8832	8864	8896	8928	8960	**280**
280	8992	9024	9056	9088	9120	9152	9184	9216	9248	9280	**290**
290	9312	9344	9376	9408	9440	9472	9504	9536	9568	9600	**300**
300	9632	9664	9696	9728	9760	9792	9824	9856	9888	9920	**310**
310	9952	9984	10016	10048	10080	10112	10144	10176	10208	10240	**320**
320	10272	10304	10336	10368	10400	10432	10464	10496	10528	10560	**330**
330	10592	10624	10656	10688	10720	10752	10784	10816	10848	10880	**340**
340	10912	10944	10976	11008	11040	11072	11104	11136	11168	11200	**350**
350	11232	11264	11296	11328	11360	11392	11424	11456	11488	11520	**360**
360	11552	11584	11616	11648	11680	11712	11744	11776	11808	11840	**370**
370	11872	11904	11936	11968	12000	12032	12064	12096	12128	12160	**380**
380	12192	12224	12256	12288	12320	12352	12384	12416	12448	12480	**390**
390	12512	12544	12576	12608	12640	12672	12704	12736	12768	12800	**400**
400	12832	12864	12896	12928	12960	12992	13024	13056	13088	13120	**410**
410	13152	13184	13216	13248	13280	13312	13344	13376	13408	13440	**420**
420	13472	13504	13536	13568	13600	13632	13664	13696	13728	13760	**430**
430	13792	13824	13856	13888	13920	13952	13984	14016	14048	14080	**440**
440	14112	14144	14176	14208	14240	14272	14304	14336	14368	14400	**450**
450	14432	14464	14496	14528	14560	14592	14624	14656	14688	14720	**460**
460	14752	14784	14816	14848	14880	14912	14944	14976	15008	15040	**470**
470	15072	15104	15136	15168	15200	15232	15264	15296	15328	15360	**480**
480	15392	15424	15456	15488	15520	15552	15584	15616	15648	15680	**490**
490	15712	15744	15776	15808	15840	15872	15904	15936	15968	16000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1/2 X 17/8½ = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	8½	17	25½	34	42½	51	59½	68	76½	85	10
10	93½	102	110½	119	127½	136	144½	153	161½	170	20
20	178½	187	195½	204	212⅝	221	229½	238	246½	255	30
30	263½	272	280½	289	297½	306	314½	323	331½	340	40
40	348½	357	365½	374	382⅝	391	399½	408	416½	425	50
50	433½	442	450½	459	467½	476	484½	493	501½	510	60
60	518½	527	535½	544	552⅝	561	569½	578	586½	595	70
70	603½	612	620½	629	637½	646	654½	663	671½	680	80
80	688½	697	705½	714	722⅝	731	739½	748	756½	765	90
90	773½	782	790½	799	807½	816	824½	833	841½	850	100

Size Lth
6 x17 - 1
8 x12¾ - 1
8½x12 - 1
3 x17 - 2
4 x12¾ - 2
4¼x12 - 2
2 x17 - 3
4 x 8½ - 3
4¼x 8 - 3
1½x17 - 4
2 x12¾ - 4
3 x 8½ - 4
1 x17 - 6
2 x 8½ - 6
4 x 4¼ - 6
1 x12¾ - 8
1½x 8½ - 8
3 x 4¼ - 8
1 x 8½ -12
2 x 4¼ -12
1½x 4¼ -16
1 x 6 -17
1½x 4 -17

1/2 X 17/8½ = 8

	11⅛	22⅜	34	45⅛	56⅜	68	79⅛	90⅜	102	113⅛	10
10	124⅜	136	147⅛	158⅜	170	181⅛	192⅜	204	215⅛	226⅜	20
20	238	249⅛	260⅜	272	283⅛	294⅜	306	317⅛	328⅜	340	30
30	351⅛	362⅜	374	385⅛	396⅜	408	419⅛	430⅜	442	453⅛	40
40	464⅜	476	487⅛	498⅜	510	521⅛	532⅜	544	555⅛	566⅜	50
50	578	589⅛	600⅜	612	623⅛	634⅜	646	657⅛	668⅜	680	60
50	691⅛	702⅜	714	725⅛	736⅜	748	759⅛	770⅜	782	793⅛	70
70	804⅜	816	827⅛	838⅜	850	861⅛	872⅜	884	895⅛	906⅜	80
80	918	929⅛	940⅜	952	963⅛	974⅜	986	997⅛	1008⅜	1020	90
90	1031⅛	1042⅜	1054	1065⅛	1076⅜	1088	1099⅛	1110⅜	1122	1133⅛	100

8 x17 - 1
8 x 8½ - 2
1 x34 - 4
2 x17 - 4
4 x 8½ - 4
¼x68 - 8
½x34 - 8
1 x17 - 8
2 x 8½ - 8
1 x 8½-16
2 x 4¼-16
¼x32 -17
½x16 -17
1 x 8 -17
⅛x32 -34
¼x16 -34
½x 8 -34
1 x 4 -34

1/2 X 17/8½ = 10

	14⅛	28⅓	42½	56⅔	70⅝	85	99⅛	113⅓	127½	141⅔	10
10	155⅝	170	184⅛	198⅓	212½	226⅔	240⅝	255	269⅛	283⅓	20
20	297½	311⅔	325⅝	340	354⅛	368⅓	382½	396⅔	410⅝	425	30
30	439⅛	453⅓	467½	481⅔	495⅝	510	524⅛	538⅓	552½	566⅔	40
40	580⅝	595	609⅛	623⅓	637½	651⅔	665⅝	680	694⅛	708⅓	50
50	722½	736⅔	750⅝	765	779⅛	793⅓	807½	821⅔	835⅝	850	60
60	864⅛	878⅓	892½	906⅔	920⅝	935	949⅛	963⅓	977½	991⅔	70
70	1005⅝	1020	1034⅛	1048⅓	1062½	1076⅔	1090⅝	1105	1119⅛	1133⅓	80
80	1147½	1161⅔	1175⅝	1190	1204⅛	1218⅓	1232½	1246⅔	1260⅝	1275	90
90	1289⅛	1303⅓	1317½	1331⅔	1345⅝	1360	1374⅛	1388⅓	1402½	1416⅔	100

5 x34 - 1
10 x17 - 1
5 x17 - 2
5 x 8½ - 4
2 x17 - 5
4 x 8½ - 5
4¼x 8 - 5
1¼x17 - 8
2½x 8½ - 8
1 x17 -10
2 x 8½ -10
4 x 4¼ -10
2½x 4¼ -16
1 x10 -17
1¼x 8 -17
2 x 5 -17
2½x 4 -17
½x17 -20

1/2 X 17/8½ = 12

	17	34	51	68	85	102	119	136	153	170	10
10	187	204	221	238	255	272	289	306	323	340	20
20	357	374	391	408	425	442	459	476	493	510	30
30	527	544	561	578	595	612	629	646	663	680	40
40	697	714	731	748	765	782	799	816	833	850	50
50	867	884	901	918	935	952	969	986	1003	1020	60
60	1037	1054	1071	1088	1105	1122	1139	1156	1173	1190	70
70	1207	1224	1241	1258	1275	1292	1309	1326	1343	1360	80
80	1377	1394	1411	1428	1445	1462	1479	1496	1513	1530	90
90	1547	1564	1581	1598	1615	1632	1649	1666	1683	1700	100

12 x17 - 1
6 x17 - 2
4 x17 - 3
8 x 8½ - 3
2 x25½ - 4
3 x17 - 4
4 x12¾ - 4
4¼x12 - 4
6 x 8½ - 4
2 x17 - 6
4 x 8½ - 6
4¼x 8 - 6
2 x12¾ - 8
3 x 8½ - 8
1 x17 -12
2 x 8½ -12
4 x 4¼ -12
1 x12 -17
1½x 8 -17
2 x 6 -17
3 x 4 -17
½x12 -34
1 x 6 -34
2 x 3 -34

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅛, annex 8⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

Size	Lth
3½x34	- 2
7 x17	- 2
3½x17	- 4
7 x 8½	- 4
2 x17	- 7
4 x 8½	- 7
4¼x 8	- 7
1¾x17	- 8
3½x 8½	- 8
4¼x 7	- 8
¼x68	-14
½x34	-14
1 x17	-14
2 x 8½	-14
4 x 4¼	-14
¼x56	-17
½x28	-17
1 x14	-17
2 x 7	-17
1¾x 8	-17
3½x 4	-17

1/2 X 17/8½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	19⅚	39⅔	59½	79⅓	99⅙	119	138⅚	158⅔	178½	198⅓	10
10	218⅙	238	257⅚	277⅔	297½	317⅓	337⅙	357	376⅚	396⅔	20
20	416½	436⅓	456⅙	476	495⅚	515⅔	535½	555⅓	575⅙	595	30
30	614⅚	634⅔	654½	674⅓	694⅙	714	733⅚	753⅔	773½	793⅓	40
40	813⅙	833	852⅚	872⅔	892½	912⅓	932⅙	952	971⅚	991⅔	50
50	1011½	1031⅓	1051⅙	1071	1090⅚	1110⅔	1130½	1150⅓	1170⅙	1190	60
60	1209⅚	1229⅔	1249½	1269⅓	1289⅙	1309	1328⅚	1348⅔	1368½	1388⅓	70
70	1408⅙	1428	1447⅚	1467⅔	1487½	1507⅓	1527⅙	1547	1566⅚	1586⅔	80
80	1606½	1626⅓	1646⅙	1666	1685⅚	1705⅔	1725½	1745⅓	1765⅙	1785	90
90	1804⅚	1824⅔	1844½	1864⅓	1884⅙	1904	1923⅚	1943⅔	1963½	1983⅓	100

Size	Lth
8 x17	- 2
1 x68	- 4
2 x34	- 4
4 x17	- 4
1 x34	- 8
2 x17	- 8
½x34	-16
1 x17	-16
2 x 8½	-16
¼x64	-17
½x32	-17
1 x16	-17
2 x 8	-17
4 x 4	-17
⅛x64	-34
¼x32	-34
½x16	-34
1 x 8	-34

1/2 X 17/8½ = 16

	22⅔	45⅓	68	90⅔	113⅓	136	158⅔	181⅓	204	226⅔	10
10	249⅓	272	294⅔	317⅓	340	362⅔	385⅓	408	430⅔	453⅓	20
20	476	498⅔	521⅓	544	566⅔	589⅓	612	634⅔	657⅓	680	30
30	702⅔	725⅓	748	770⅔	793⅓	816	838⅔	861⅓	884	906⅔	40
40	929⅓	952	974⅔	997⅓	1020	1042⅔	1065⅓	1088	1110⅔	1133⅓	50
50	1156	1178⅔	1201⅓	1224	1246⅔	1269⅓	1292	1314⅔	1337⅓	1360	60
60	1382⅔	1405⅓	1428	1450⅔	1473⅓	1496	1518⅔	1541⅓	1564	1586⅔	70
70	1609⅓	1632	1654⅔	1677⅓	1700	1722⅔	1745⅓	1768	1790⅔	1813⅓	80
80	1836	1858⅔	1881⅓	1904	1926⅔	1949⅓	1972	1994⅔	2017⅓	2040	90
90	2062⅔	2085⅓	2108	2130⅔	2153⅓	2176	2198⅔	2221⅓	2244	2266⅔	100

Size	Lth
3 x12¾	- 8
1 x34	- 9
2 x17	- 9
4 x 8½	- 9
1½x17	-12
2 x12¾	-12
3 x 8½	-12
1 x18	-17
2 x 9	-17
2¼x 8	-17
3 x 6	-17
4 x 4½	-17
1 x17	-18
2 x 8½	-18
4 x 4¼	-18
1 x 9	-34
2 x 4½	-34
3 x 3	-34

1/2 X 17/8½ = 18

	25½	51	76½	102	127½	153	178½	204	229½	255	10
10	280½	306	331½	357	382½	408	433½	459	484½	510	20
20	535½	561	586½	612	637½	663	688½	714	739½	765	30
30	790½	816	841½	867	892½	918	943½	969	994½	1020	40
40	1045½	1071	1096½	1122	1147½	1173	1198½	1224	1249½	1275	50
50	1300½	1326	1351½	1377	1402½	1428	1453½	1479	1504½	1530	60
60	1555½	1581	1606½	1632	1657½	1683	1708½	1734	1759½	1785	70
70	1810½	1836	1861½	1887	1912½	1938	1963½	1989	2014½	2040	80
80	2065½	2091	2116½	2142	2167½	2133	2218½	2244	2269½	2295	90
90	2320½	2346	2371½	2397	2422½	2448	2473½	2499	2524½	2550	100

Size	Lth
17 x20	- 1
10 x17	- 2
5 x34	- 2
2½x34	- 4
5 x17	- 4
2 x34	- 5
4 x17	- 5
1¼x34	- 8
2½x17	- 8
5 x 8½	- 8
1 x34	-10
2 x17	-10
4 x 8½	-10
4¼x 8	-10
1¼x17	-16
2¼x 8½	-16
1 x20	-17
2 x10	-17
2½x 8	-17
4 x 5	-17
1 x17	-20
1 x10	-34
2¼x 4	-34

1/2 X 17/8½ = 20

	28⅓	56⅔	85	113⅓	141⅔	170	198⅓	226⅔	255	283⅓	10
10	311⅔	340	368⅓	396⅔	425	453⅓	481⅔	510	538⅓	566⅔	20
20	595	623⅓	651⅔	680	708⅓	736⅔	765	793⅓	821⅔	850	30
30	878⅓	906⅔	935	963⅓	991⅔	1020	1048⅓	1076⅔	1105	1133⅓	40
40	1161⅔	1190	1218⅓	1246⅔	1275	1303⅓	1331⅔	1360	1388⅓	1416⅔	50
50	1445	1473⅓	1501⅔	1530	1558⅓	1586⅔	1615	1643⅓	1671⅔	1700	60
60	1728⅓	1756⅔	1785	1813⅓	1841⅔	1870	1898⅓	1926⅔	1955	1983⅓	70
70	2011⅔	2040	2068⅓	2096⅔	2125	2153⅓	2181⅔	2210	2238⅓	2266⅔	80
80	2295	2323⅓	2351⅔	2380	2408⅓	2436⅔	2465	2493⅓	2521⅔	2550	90
90	2578⅓	2606⅔	2635	2663⅓	2691⅔	2720	2748⅓	2776⅔	2805	2833⅓	100

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔ annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 210 for other sizes above tables give answers for.

1x17
1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

$\frac{1 \times 18}{2 \times 9} = 6$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	9	18	27	36	45	54	63	72	81	90	**10**
10	99	108	117	126	135	144	153	162	171	180	**20**
20	189	198	207	216	225	234	243	252	261	270	**30**
30	279	288	297	306	315	324	333	342	351	360	**40**
40	369	378	387	396	405	414	423	432	441	450	**50**
50	459	468	477	486	495	504	513	522	531	540	**60**
60	549	558	567	576	585	594	603	612	621	630	**70**
70	639	648	657	666	675	684	693	702	711	720	**80**
80	729	738	747	756	765	774	783	792	801	810	**90**
90	819	828	837	846	855	864	873	882	891	900	**100**

$\frac{1 \times 18}{2 \times 9} = 8$

	12	24	36	48	60	72	84	96	108	120	**10**
10	132	144	156	168	180	192	204	216	228	240	**20**
20	252	264	276	288	300	312	324	336	348	360	**30**
30	372	384	396	408	420	432	444	456	468	480	**40**
40	492	504	516	528	540	552	564	576	588	600	**50**
50	612	624	636	648	660	672	684	696	708	720	**60**
60	732	744	756	768	780	792	804	816	828	840	**70**
70	852	864	876	888	900	912	924	936	948	960	**80**
80	972	984	996	1008	1020	1032	1044	1056	1068	1080	**90**
90	1092	1104	1116	1128	1140	1152	1164	1176	1188	1200	**100**

$\frac{1 \times 18}{2 \times 9} = 10$

	15	30	45	60	75	90	105	120	135	150	**10**
10	165	180	195	210	225	240	255	270	285	300	**20**
20	315	330	345	360	375	390	405	420	435	450	**30**
30	465	480	495	510	525	540	555	570	585	600	**40**
40	615	630	645	660	675	690	705	720	735	750	**50**
50	765	780	795	810	825	840	855	870	885	900	**60**
60	915	930	945	960	975	990	1005	1020	1035	1050	**70**
70	1065	1080	1095	1110	1125	1140	1155	1170	1185	1200	**80**
80	1215	1230	1245	1260	1275	1290	1305	1320	1335	1350	**90**
90	1365	1380	1395	1410	1425	1440	1455	1470	1485	1500	**100**

$\frac{1 \times 18}{2 \times 9} = 12$

	18	36	54	72	90	108	126	144	162	180	**10**
10	198	216	234	252	270	288	306	324	342	360	**20**
20	378	396	414	432	450	468	486	504	522	540	**30**
30	558	576	594	612	630	648	666	684	702	720	**40**
40	738	756	774	792	810	828	846	864	882	900	**50**
50	918	936	954	972	990	1008	1026	1044	1062	1080	**60**
60	1098	1116	1134	1152	1170	1188	1206	1224	1242	1260	**70**
70	1278	1296	1314	1332	1350	1368	1386	1404	1422	1440	**80**
80	1458	1476	1494	1512	1530	1548	1566	1584	1602	1620	**90**
90	1638	1656	1674	1692	1710	1728	1746	1764	1782	1800	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

Size	Lth
4 x27	1
4½x24	1
6 x18	1
8 x13½	1
9 x12	1
1 x54	
2 x27	
2¼x24	
3 x18	
4 x13½	
4½x12	2
6¾x 8	
6 x 9	
½x72	
1 x36	
1½x24	
2 x18	
2¼x16	
3 x12	
4 x 9	
4½x 8	
6 x 6	
½x54	4
3 x48	1
6 x24	1
8 x18	
9 x16	
12 x12	1
2 x36	
2¼x32	
3 x24	2
4½x16	
4 x18	
6 x12	
8 x 9	
½x96	
1 x48	
1½x32	
2 x24	
3 x16	
4 x12	
6 x30	1
10 x18	1
12 x15	1
7½x24	1
3 x30	2
3¾x24	2
4½x20	2
5 x18	2
6 x15	2
7½x12	2
8 x11¼	2
9 x10	2
2 x30	3
2½x24	3
3 x20	3
4 x15	3
5 x12	3
6 x10	3
4 x54	1
6 x36	1
8 x27	1
9 x21	1
12 x18	1
2 x54	2
4 x27	2
4½x24	2
6 x18	2
6¾x16	2
8 x13½	2
9 x12	2
2 x36	3
3 x24	3
4 x18	3
4½x16	3
6 x12	3
8 x 9	3
1 x54	4
2 x27	4
2¼x24	4
3 x18	4
4 x13½	4
6 x 9	4

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For Complete Table, See Pages 59 and 85. For Complete Table, See Pages 44 and 49. For Complete Table, See Page 44. For Complete Table, See Page 52.

For Other Sizes and Lengths, See Pages 92, 59 and 85. For Complete Table, See Pages 92, 55

Size	Lth
1½x28	6
1¾x24	6
2 x21	6
3 x14	6
4 x10½	6
5¼x 8	6
1 x36	7
2 x18	7
2¼x16	7
3 x12	7
4 x 9	7
4½x 8	7
6 x 6	7
1½x21	8
1¾x18	8
2¼x14	8
3 x10½	8
3½x 9	8
4½x 7	8
1 x28	9
2 x14	9
4 x 7	9

For Other Sizes and Lengths. See Pages 59 and 85.

Size	Lth
6 x48	1
8 x36	1
9 x32	1
12 x24	1
16 x18	1
4 x36	2
4½x32	2
6 x24	2
8 x18	2
9 x16	2
12 x12	2
3 x32	3
4 x24	3
6 x16	3
8 x12	3
1½x48	4
2¼x32	4
4 x18	4

For Complete Table, See Pages 92, 66 or 55.

Size	Lth
12 x27	1
6 x27	2
9 x12	3
3 x27	4
9 x 9	4
3 x18	6
6 x 9	6
2 x18	9
4 x 9	9
6 x 6	9
3 x 9	12
3 x 9	12
1 x28	18
2 x 9	18
4 x 4½	18
2 x 6	27
1 x 9	36
3 x 3	36

Size	Lth
9 x20	1
18 x20	2
12 x15	2
8 x15	3
6 x15	4
9 x10	4
8 x 9	5
4 x15	6
6 x10	6
3 x15	8
5 x 9	8
5 x 8	9
4 x 9	10
3 x 8	15
4 x 6	15
2 x 4¼	16
2¼x10	16
3¾x 6	16
2 x 9	20
2¼x 8	20
3 x 6	20
4 x 4½	20
2½x 6	24

For Complete Table, See Page 80.

1 X 18 / 2 X 9 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	21	42	63	84	105	126	147	168	189	210	**10**
10	231	252	273	294	315	336	357	378	399	420	**20**
20	441	462	483	504	525	546	567	588	609	630	**30**
30	651	672	693	714	735	756	777	798	819	840	**40**
40	861	882	903	924	945	966	987	1008	1029	1050	**50**
50	1071	1092	1113	1134	1155	1176	1197	1218	1239	1260	**60**
60	1281	1302	1323	1344	1365	1386	1407	1428	1449	1470	**70**
70	1491	1512	1533	1554	1575	1596	1617	1638	1659	1680	**80**
80	1701	1722	1743	1764	1785	1806	1827	1848	1869	1890	**90**
90	1911	1932	1953	1974	1995	2016	2037	2058	2079	2100	**100**

1 X 18 / 2 X 9 = 16

	24	48	72	96	120	144	168	192	216	240	**10**
10	264	288	312	336	360	384	408	432	456	480	**20**
20	504	528	552	576	600	624	648	672	696	720	**30**
30	744	768	792	816	840	864	888	912	936	960	**40**
40	984	1008	1032	1056	1080	1104	1128	1152	1176	1200	**50**
50	1224	1248	1272	1296	1320	1344	1368	1392	1416	1440	**60**
60	1464	1488	1512	1536	1560	1584	1608	1632	1656	1680	**70**
70	1704	1728	1752	1776	1800	1824	1848	1872	1896	1920	**80**
80	1944	1968	1992	2016	2040	2064	2088	2112	2136	2160	**90**
90	2184	2208	2232	2256	2280	2304	2328	2352	2376	2400	**100**

1 X 18 / 2 X 9 = 18

	27	54	81	108	135	162	189	216	243	270	**10**
10	297	324	351	378	405	432	459	486	513	540	**20**
20	567	594	621	648	675	702	729	756	783	810	**30**
30	837	864	891	918	945	972	999	1026	1053	1080	**40**
40	1107	1134	1161	1188	1215	1242	1269	1296	1323	1350	**50**
50	1377	1404	1431	1458	1485	1512	1539	1566	1593	1620	**60**
60	1647	1674	1701	1728	1755	1782	1809	1836	1863	1890	**70**
70	1917	1944	1971	1998	2025	2052	2079	2106	2133	2160	**80**
80	2187	2214	2241	2268	2295	2322	2349	2376	2403	2430	**90**
90	2457	2484	2511	2538	2565	2592	2619	2646	2673	2700	**100**

1 X 18 / 2 X 9 = 20

	30	60	90	120	150	180	210	240	270	300	**10**
10	330	360	390	420	450	480	510	540	570	600	**20**
20	630	660	690	720	750	780	810	840	870	900	**30**
30	930	960	990	1020	1050	1080	1110	1140	1170	1200	**40**
40	1230	1260	1290	1320	1350	1380	1410	1440	1470	1500	**50**
50	1530	1560	1590	1620	1650	1680	1710	1740	1770	1800	**60**
60	1830	1860	1890	1920	1950	1980	2010	2040	2070	2100	**70**
70	2130	2160	2190	2220	2250	2280	2310	2340	2370	2400	**80**
80	2430	2460	2490	2520	2550	2580	2610	2640	2670	2700	**90**
90	2730	2760	2790	2820	2850	2880	2910	2940	2970	3000	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

1x18
1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

½ X 19 / 9½ = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	9½	19	28½	38	47½	57	66½	76	85½	95	10
10	104½	114	123½	133	142½	152	161½	171	180½	190	20
20	199½	209	218½	228	237½	247	256½	266	275½	285	30
30	294½	304	313½	323	332½	342	351½	361	370½	380	40
40	389½	399	408½	418	427½	437	446½	456	465½	475	50
50	484½	494	503½	513	522½	532	541½	551	560½	570	60
60	579½	589	598½	608	617½	627	636⅓	646	655½	665	70
70	674½	684	693½	703	712½	722	731½	741	750½	760	80
80	769½	779	788½	798	807½	817	826½	836	845½	855	90
90	864½	874	883½	893	902½	912	921½	931	940½	950	100

½ X 19 / 9¼ = 8

	12⅝	25⅛	38	50⅝	63⅛	76	88⅝	101⅛	114	126⅝	10
10	139⅓	152	164⅝	177⅓	190	202⅝	215⅓	228	240⅝	253⅓	20
20	266	278⅝	291⅓	304	316⅝	329⅓	342	354⅝	367⅓	380	30
30	392⅝	405⅓	418	430⅝	443⅓	456	468⅝	481⅓	494	506⅝	40
40	519⅓	532	544⅝	557⅓	570	582⅝	595⅓	608	620⅝	633⅓	50
50	646	658⅝	671⅓	684	696⅝	709⅓	722	734⅝	747⅓	760	60
60	772⅝	785⅓	798	810⅝	823⅓	836	848⅝	861⅓	874	886⅝	70
70	899⅓	912	924⅝	937⅓	950	962⅝	975⅓	988	1000⅝	1013⅓	80
80	1026	1038⅝	1051⅓	1064	1076⅝	1089⅓	1102	1114⅝	1127⅓	1140	90
90	1152⅝	1165⅓	1178	1190⅝	1203⅓	1216	1228⅝	1241⅓	1254	1266⅔	100

½ X 19 / 9½ = 10

	15⅝	31⅜	47½	63⅓	79⅛	95	110⅝	126⅔	142½	158⅓	10
10	174⅛	190	205⅝	221⅜	237½	253⅓	269⅛	285	300⅝	316⅔	20
20	332½	348⅓	364⅛	380	395⅝	411⅔	427½	443⅓	459⅛	475	30
30	490⅝	506⅔	522½	538⅓	554⅛	570	585⅝	601⅔	617½	633⅓	40
40	649⅛	665	680⅝	696⅔	712½	728⅓	744⅛	760	775⅝	791⅔	50
50	807½	823⅓	839⅛	855	870⅝	886⅔	902½	918⅓	934⅛	950	60
60	965⅝	981⅔	997½	1013⅓	1029⅛	1045	1060⅝	1076⅔	1092½	1108⅓	70
70	1124⅛	1140	1155⅝	1171⅔	1187½	1203⅓	1219⅛	1235	1250⅝	1266⅔	80
80	1282½	1298⅓	1314⅛	1330	1345⅝	1361⅔	1377½	1393⅓	1409⅛	1425	90
90	1440⅝	1456⅔	1472½	1488⅓	1504⅛	1520	1535⅝	1551⅔	1567½	1583⅓	100

½ X 19 / 9½ = 12

	19	38	57	76	95	114	133	152	171	190	10
10	209	228	247	266	285	304	323	342	361	380	20
20	399	418	437	456	475	494	513	532	551	570	30
30	589	608	627	646	665	684	703	722	741	760	40
40	779	798	817	836	855	874	893	912	931	950	50
50	969	988	1007	1026	1045	1064	1083	1102	1121	1140	60
60	1159	1178	1197	1216	1235	1254	1273	1292	1311	1330	70
70	1349	1368	1387	1406	1425	1444	1463	1482	1501	1520	80
80	1539	1558	1577	1596	1615	1634	1653	1672	1691	1710	90
90	1729	1748	1767	1786	1805	1824	1843	1862	1881	1900	100

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

Size Lth

6 x19 - 1
8 x14¼ - 1
9½x12 - 1
3 x19 - 2
4 x14¼ - 2
6 x 9½ - 2
2 x19 - 3
4 x 9½ - 3
4¾x 8 - 3
1½x19 - 4
2 x14¼ - 4
3 x 9½ - 4
4¾x 6 - 4
1 x19 - 6
2 x 9½ - 6
4 x 4¾ - 6
1 x14¼ - 8
1½x 9½ - 8
3 x 4¾ - 8
1 x 9½-12
2 x 4¾-12
1½x 4¾-16
1 x 6 -19

2 x76 - 1
4 x38 - 1
8 x19 - 1
8 x 9½ - 2
½x76 - 4
1 x38 - 4
2 x19 - 4
4 x 9½ - 4
½x38 - 8
1 x19 - 8
2 x 9½ - 8
4 x 4¾ - 8
½x19 -16
1 x 9½-16
2 x 4¾-16
1 x 8 -19
2 x 4 -19
1 x 4 -38

10 x19 - 1
9½x10 - 2
2½x19 - 4
5 x 9½- 4
1 x38 - 5
2 x19 - 5
4 x 9½- 5
1¼x19 - 8
2½x 9½- 8
1 x19 -10
2 x 9½-10
4 x 4¾-10
1¼x 9½-16
2½x 4¾-16
1 x10 -19
2 x 5 -19
2½x 4 -19
1 x 9½-20

12 x19 - 1
6 x19 - 2
4 x19 - 3
3 x19 - 4
6 x 9½- 4
2 x19 - 6
4 x 9½- 6
1 x28½- 8
4 x14¼- 8
3 x 9½- 8
1 x19 -12
2 x 9½-12
4 x 4¾-12
1½x 9½-16
3 x 4¾-16
¼x48 -19
½x24 -19
1 x12 -19
1½x 8 -19
4 x10 -19
3 x 4 -19
¼x24 -38
½x12 -38
1 x 6 -38

Size	Lth
7 x38	- 1
14 x19	- 1
7 x19	- 2
9½x14	- 2
4¾x14	- 4
7 x 9½	- 4
1 x38	- 7
2 x19	- 7
4¾x 8	- 7
4 x 9½	- 7
1¾x19	- 8
3½x 9½	- 8
1 x19	-14
2 x 9½	-14
4 x 4¾	-14
¼x56	-19
½x28	-19
1 x14	-19
1¾x 8	-19
2 x 7	-19
3½x 4	-19

½ X 19 / X 9½ = 14

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	22⅙	44⅓	66½	88⅔	110⅚	133	155⅙	177⅓	199½	221⅔	10
10	243⅚	266	288⅙	310⅓	332½	354⅔	376⅚	399	421⅙	443⅓	20
20	465½	487⅔	509⅚	532	554⅙	576⅓	598½	620⅔	642⅚	665	30
30	687⅙	709⅓	731½	753⅔	775⅚	798	820⅙	842⅓	864½	886⅔	40
40	908⅚	931	953⅙	975⅓	997½	1019⅔	1041⅚	1064	1086⅙	1108⅓	50
50	1130½	1152⅔	1174⅚	1197	1219⅙	1241⅓	1263½	1285⅔	1307⅚	1330	60
60	1352⅙	1374⅓	1396½	1418⅔	1440⅚	1463	1485⅙	1507⅓	1529½	1551⅔	70
70	1573⅚	1596	1618⅙	1640⅓	1662½	1684⅔	1706⅚	1729	1751⅙	1773⅓	80
80	1795½	1817⅔	1839⅚	1862	1884⅙	1906⅓	1928½	1950⅔	1972⅚	1995	90
90	2017⅙	2039⅓	2061½	2083⅔	2105⅚	2128	2150⅙	2172⅓	2194½	2216⅔	100

Size	Lth
16 x19	- 1
4 x38	- 2
8 x19	- 2
2 x38	- 4
4 x19	- 4
4¾x16	- 4
1 x38	- 8
2 x19	- 8
4¾x 8	- 8
½x38	-16
1 x19	-16
2 x 9½	-16
4 x 4¾	-16
½x32	-19
1 x16	-19
2 x 8	-19
4 x 4	-19
1 x 8	-38

½ X 19 / X 9½ = 16

	1	2	3	4	5	6	7	8	9	10	
	25⅓	50⅔	76	101⅓	126⅔	152	177⅓	202⅔	228	253⅓	10
10	278⅔	304	329⅓	354⅔	380	405⅓	430⅔	456	481⅓	506⅔	20
20	532	557⅓	582⅔	608	633⅓	658⅔	684	709⅓	734⅔	760	30
30	785⅓	810⅔	836	861⅓	886⅔	912	937⅓	962⅔	988	1013⅓	40
40	1038⅔	1064	1089⅓	1114⅔	1140	1165⅓	1190⅔	1216	1241⅓	1266⅔	50
50	1292	1317⅓	1342⅔	1368	1393⅓	1418⅔	1444	1469⅓	1494⅔	1520	60
60	1545⅓	1570⅔	1596	1621⅓	1646⅔	1672	1697⅓	1722⅔	1748	1773⅓	70
70	1798⅔	1824	1849⅓	1874⅔	1900	1925⅓	1950⅔	1976	2001⅓	2026⅔	80
80	2052	2077⅓	2102⅔	2128	2153⅓	2178⅔	2204	2229⅓	2254⅔	2280	90
90	2305⅓	2330⅔	2356	2381⅓	2406⅔	2432	2457⅓	2482⅔	2508	2533⅓	100

Size	Lth
18 x19	- 1
9 x19	- 2
6 x19	- 3
6 x14¼	- 4
3 x19	- 6
4 x14¼	- 6
4¾x 9	- 8
2 x19	- 9
4 x 9½	- 9
4¾x 8	- 9
2 x14¼	-12
3 x 9½	-12
2¼x 9½	-16
1 x19	-18
2 x 9½	-18
1 x18	-19
2 x 9	-19
1 x 9	-38

½ X 19 / X 9½ = 18

	1	2	3	4	5	6	7	8	9	10	
	28½	57	85½	114	142½	171	199½	228	256½	285	10
10	313½	342	370½	399	427½	456	484½	513	541½	570	20
20	598½	627	655½	684	712½	741	769½	798	826½	855	30
30	883½	912	940½	969	997½	1026	1054½	1083	1111½	1140	40
40	1168½	1197	1225½	1254	1282½	1311	1339½	1368	1396½	1425	50
50	1453½	1482	1510½	1539	1567½	1596	1624½	1653	1681½	1710	60
60	1738½	1767	1795½	1824	1852½	1881	1909½	1938	1966½	1995	70
70	2023½	2052	2080½	2109	2137½	2166	2194½	2223	2251½	2280	80
80	2308½	2337	2365½	2394	2422½	2451	2479½	2508	2536½	2565	90
90	2593½	2622	2650½	2679	2707½	2736	2764½	2793	2821½	2850	100

Size	Lth
5 x19	- 4
4 x19	- 5
8 x 9½	- 5
5 x 9½	- 8
1 x38	-10
2 x19	-10
4 x 9½	-10
4¾x 8	-10
½x40	-19
1 x20	-19
2 x10	-19
2½x 8	-19
4 x 5	-19
¼x76	-20
½x38	-20
1 x19	-20
2 x 9½	-20
4 x 4¾	-20
¼x40	-38
½x20	-38
1 x10	-38
2 x 5	-38
2½x 4	-38

½ X 19 / X 9½ = 20

	1	2	3	4	5	6	7	8	9	10	
	31⅔	63⅓	95	126⅔	158⅓	190	221⅔	253⅓	285	316⅔	10
10	348⅓	380	411⅔	443⅓	475	506⅔	538⅓	570	601⅔	633⅓	20
20	665	696⅔	728⅓	760	791⅔	823⅓	855	886⅔	918⅓	950	30
30	981⅔	1013⅓	1045	1076⅔	1108⅓	1140	1171⅔	1203⅓	1235	1266⅔	40
40	1298⅓	1330	1361⅔	1393⅓	1425	1456⅔	1488⅓	1520	1551⅔	1583⅓	50
50	1615	1646⅔	1678⅓	1710	1741⅔	1773⅓	1805	1836⅔	1868⅓	1900	60
60	1931⅔	1963⅓	1995	2026⅔	2058⅓	2090	2121⅔	2153⅓	2185	2216⅔	70
70	2248⅓	2280	2311⅔	2343⅓	2375	2406⅔	2438⅓	2470	2501⅔	2533⅓	80
80	2565	2596⅔	2628⅓	2660	2691⅔	2723⅓	2755	2786⅔	2818⅓	2850	90
90	2881⅔	2913⅓	2945	2976⅔	3008⅓	3040	3071⅔	3103⅓	3135	3166⅔	100

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅛, annex 3⅛; for 1-6, annex 1⅔; for 5-6, annex 8⅓: see explanations on pages 2, 3 and 4. See pages 123 to 210 for other sizes

Page 75 — above tables give answers for

1x19
2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 20 / 2 x 10 = 4

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	6⅔	13⅓	20	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	10
10	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓	20
20	140	146⅔	153⅓	160	166⅔	173⅓	180	186⅔	193⅓	200	30
30	206⅔	213⅓	220	226⅔	233⅓	240	246⅔	253⅓	260	266⅔	40
40	273⅓	280	286⅔	293⅓	300	306⅔	313⅓	320	326⅔	333⅓	50
50	340	346⅔	353⅓	360	366⅔	373⅓	380	386⅔	393⅓	400	60
60	406⅔	413⅓	420	426⅔	433⅓	440	446⅔	453⅓	460	466⅔	70
70	473⅓	480	486⅔	493⅓	500	506⅔	513⅓	520	526⅔	533⅓	80
80	540	546⅔	553⅓	560	566⅔	573⅓	580	586⅔	593⅓	600	90
90	606⅔	613⅓	620	626⅔	633⅓	640	646⅔	653⅓	660	666⅔	100

1 x 20 / 2 x 10 = 6

	10	20	30	40	50	60	70	80	90	100	10
10	110	120	130	140	150	160	170	180	190	200	20
20	210	220	230	240	250	260	270	280	290	300	30
30	310	320	330	340	350	360	370	380	390	400	40
40	410	420	430	440	450	460	470	480	490	500	50
50	510	520	530	540	550	560	570	580	590	600	60
60	610	620	630	640	650	660	670	680	690	700	70
70	710	720	730	740	750	760	770	780	790	800	80
80	810	820	830	840	850	860	870	880	890	900	90
90	910	920	930	940	950	960	970	980	990	1000	100

1 x 20 / 2 x 10 = 8

	13⅓	26⅔	40	53⅓	66⅔	80	93⅓	106⅔	120	133⅓	10
10	146⅔	160	173⅓	186⅔	200	213⅓	226⅔	240	253⅓	266⅔	20
20	280	293⅓	306⅔	320	333⅓	346⅔	360	373⅓	386⅔	400	30
30	413⅓	426⅔	440	453⅓	466⅔	480	493⅓	506⅔	520	533⅓	40
40	546⅔	560	573⅓	586⅔	600	613⅓	626⅔	640	653⅓	666⅔	50
50	680	693⅓	706⅔	720	733⅓	746⅔	760	773⅓	786⅔	800	60
60	813⅓	826⅔	840	853⅓	866⅔	880	893⅓	906⅔	920	933⅓	70
70	946⅔	960	973⅓	986⅔	1000	1013⅓	1026⅔	1040	1053⅓	1066⅔	80
80	1080	1093⅓	1106⅔	1120	1133⅓	1146⅔	1160	1173⅓	1186⅔	1200	90
90	1213⅓	1226⅔	1240	1253⅓	1266⅔	1280	1293⅓	1306⅔	1320	1333⅓	100

1 x 20 / 2 x 10 = 10

	16⅔	33⅓	50	66⅔	83⅓	100	116⅔	133⅓	150	166⅔	10
10	183⅓	200	216⅔	233⅓	250	266⅔	283⅓	300	316⅔	333⅓	20
20	350	366⅔	383⅓	400	416⅔	433⅓	450	466⅔	483⅓	500	30
30	516⅔	533⅓	550	566⅔	583⅓	600	616⅔	633⅓	650	666⅔	40
40	683⅓	700	716⅔	733⅓	750	766⅔	783⅓	800	816⅔	833⅓	50
50	850	866⅔	883⅓	900	916⅔	933⅓	950	966⅔	983⅓	1000	60
60	1016⅔	1033⅓	1050	1066⅔	1083⅓	1100	1116⅔	1133⅓	1150	1166⅔	70
70	1183⅓	1200	1216⅔	1233⅓	1250	1266⅔	1283⅓	1300	1316⅔	1333⅓	80
80	1350	1366⅔	1383⅓	1400	1416⅔	1433⅓	1450	1466⅔	1483⅓	1500	90
90	1516⅔	1533⅓	1550	1566⅔	1583⅓	1600	1616⅔	1633⅓	1650	1666⅔	100

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔ annex 6⅔; for ⅓. annex 3⅓; for 1-6 annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

Size	Lth
2½x32	- 1
4 x20	- 1
5 x16	- 1
8 x10	- 1
½x80	- 2
1 x40	- 2
2 x20	- 2
4 x10	- 2
5 x 8	- 2
¼x80	- 4
½x40	- 4
1 x20	- 4
2 x10	- 4
2½x 8	- 4
4 x 5	- 4
¼x64	- 5
½x32	- 5
1 x16	- 5
2 x 8	- 5
4 x 4	- 5
⅛x80	- 8
¼x40	- 8
½x20	- 8

For Complete Table, See Pages 20 and 32

Size	Lth
4 x30	- 1
5 x24	- 1
6 x20	- 1
7½x16	- 1
8 x15	- 1
10 x12	- 1
1 x60	- 2
2 x30	- 2
2½x24	- 2
3 x20	- 2
3¾x16	- 2
4 x15	- 2
5 x12	- 2
6 x10	- 2
7½x 8	- 2
½x80	- 3
1 x40	- 3
2 x20	- 3

For Complete Table, See Page 28 or [illegible]

Size	Lth
4 x40	- 1
8 x20	- 1
10 x16	- 1
2½x32	- 2
4 x20	- 2
5 x16	- 2
8 x10	- 2
½x80	- 4
1 x40	- 4
2 x20	- 4
2½x16	- 4
4 x10	- 4
5 x 8	- 4
½x64	- 5
1 x32	- 5
2 x16	- 5
4 x 8	- 5

For Complete Table, See Page 37 or [illegible]

Size	Lth
4 x50	- 1
8 x25	- 1
10 x20	- 1
2 x50	- 2
2½x40	- 2
4 x25	- 2
5 x20	- 2
6¼x16	- 2
8 x12½	- 2
10 x10	- 2
1 x50	- 4
2 x25	- 4
2½x20	- 4
4 x12½	- 4
5 x10	- 4
6¼x 8	- 4
½x80	- 5
1 x40	- 5
2 x20	- 5
2½x16	- 5
4 x10	- 5
5 x 8	- 5
¼x100	- 8

For Complete Table, See Page 45

10 x24 - 1
12 x20 - 1
15 x16 - 1
3¾x32 - 2
4 x30 - 2
5 x24 - 2
6 x20 - 2
7½x16 - 2
8 x15 - 2
10 x12 - 2
2 x40 - 3
4 x20 - 3
2½x32 - 3
5 x16 - 3
8 x10 - 3
2 x30 - 4
2½x24 - 4
3 x20 - 4
3¾x16 - 4
4 x15 - 4
5 x12 - 4
7½x 8 - 4
6 x10 - 4
1 x48 - 5
2 x24 - 5
3 x16 - 5
4 x12 - 5
6 x 8 - 5
1 x40 - 6
2 x20 - 6
4 x10 - 6
5 x 8 - 6
1 x30 - 8
1¼x24 - 8
1½x20 - 8
2 x15 - 8
2½x12 - 8
3 x10 - 8
3¾x 8 - 8
4 x 7½ - 8
5 x 6 - 8
½x48 -10
1 x24 -10
1½x16 -10
2 x12 -10
3 x 8 -10
4 x 6 -10
½x40 -12
1 x20 -12
1¼x16 -12
2 x10 -12
2½x 8 -12
4 x 5 -12
½x32 -15
1 x16 -15
2 x 8 -15
4 x 4 -15
½x30 -16
1 x15 -16
1¼x12 -16
1½x10 -16
2 x 7½ -16
2½x 6 -16
3 x 5 -16
¼x48 -16
½x24 -20
1 x12 -20
1½x 8 -20
2 x 6 -20
3 x 4 -20
½x20 -24
1 x10 -24
2 x 5 -24
½x16 -30
1 x 8 -30
2 x 4 -30
½x12 -40
1 x 6 -40
2 x 3 -40

2 x 10 / 4 x 5 / 2½ x 8 = 12

	1 Piece Feet	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet	
	20	40	60	80	100	120	140	160	180	200	10
10	220	240	260	280	300	320	340	360	380	400	20
20	420	440	460	480	500	520	540	560	580	600	30
30	620	640	660	680	700	720	740	760	780	800	40
40	820	840	860	880	900	920	940	960	980	1000	50
50	1020	1040	1060	1080	1100	1120	1140	1160	1180	1200	60
60	1220	1240	1260	1280	1300	1320	1340	1360	1380	1400	70
70	1420	1440	1460	1480	1500	1520	1540	1560	1580	1600	80
80	1620	1640	1660	1680	1700	1720	1740	1760	1780	1800	90
90	1820	1840	1860	1880	1900	1920	1940	1960	1980	2000	100
100	2020	2040	2060	2080	2100	2120	2140	2160	2180	2200	110
110	2220	2240	2260	2280	2300	2320	2340	2360	2380	2400	120
120	2420	2440	2460	2480	2500	2520	2540	2560	2580	2600	130
130	2620	2640	2660	2680	2700	2720	2740	2760	2780	2800	140
140	2820	2840	2860	2880	2900	2920	2940	2960	2980	3000	150
150	3020	3040	3060	3080	3100	3120	3140	3160	3180	3200	160
160	3220	3240	3260	3280	3300	3320	3340	3360	3380	3400	170
170	3420	3440	3460	3480	3500	3520	3540	3560	3580	3600	180
180	3620	3640	3660	3680	3700	3720	3740	3760	3780	3800	190
190	3820	3840	3860	3880	3900	3920	3940	3960	3980	4000	200
200	4020	4040	4060	4080	4100	4120	4140	4160	4180	4200	210
210	4220	4240	4260	4280	4300	4320	4340	4360	4380	4400	220
220	4420	4440	4460	4480	4500	4520	4540	4560	4580	4600	230
230	4620	4640	4660	4680	4700	4720	4740	4760	4780	4800	240
240	4820	4840	4860	4880	4900	4920	4940	4960	4980	5000	250
250	5020	5040	5060	5080	5100	5120	5140	5160	5180	5200	260
260	5220	5240	5260	5280	5300	5320	5340	5360	5380	5400	270
270	5420	5440	5460	5480	5500	5520	5540	5560	5580	5600	280
280	5620	5640	5660	5680	5700	5720	5740	5760	5780	5800	290
290	5820	5840	5860	5880	5900	5920	5940	5960	5980	6000	300
300	6020	6040	6060	6080	6100	6120	6140	6160	6180	6200	310
310	6220	6240	6260	6280	6300	6320	6340	6360	6380	6400	320
320	6420	6440	6460	6480	6500	6520	6540	6560	6580	6600	330
330	6620	6640	6660	6680	6700	6720	6740	6760	6780	6800	340
340	6820	6840	6860	6880	6900	6920	6940	6960	6980	7000	350
350	7020	7040	7060	7080	7100	7120	7140	7160	7180	7200	360
360	7220	7240	7260	7280	7300	7320	7340	7360	7380	7400	370
370	7420	7440	7460	7480	7500	7520	7540	7560	7580	7600	380
380	7620	7640	7660	7680	7700	7720	7740	7760	7780	7800	390
390	7820	7840	7860	7880	7900	7920	7940	7960	7980	8000	400
400	8020	8040	8060	8080	8100	8120	8140	8160	8180	8200	410
410	8220	8240	8260	8280	8300	8320	8340	8360	8380	8400	420
420	8420	8440	8460	8480	8500	8520	8540	8560	8580	8600	430
430	8620	8640	8660	8680	8700	8720	8740	8760	8780	8800	440
440	8820	8840	8860	8880	8900	8920	8940	8960	8980	9000	450
450	9020	9040	9060	9080	9100	9120	9140	9160	9180	9200	460
460	9220	9240	9260	9280	9300	9320	9340	9360	9380	9400	470
470	9420	9440	9460	9480	9500	9520	9540	9560	9580	9600	480
480	9620	9640	9660	9680	9700	9720	9740	9760	9780	9800	490
490	9820	9840	9860	9880	9900	9920	9940	9960	9980	10000	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2x10
1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

Size	Lth
5 x56	- 1
7 x40	- 1
10 x28	- 1
14 x20	- 1
5 x28	- 2
7 x20	- 2
10 x14	- 2
3½x20	- 4
5 x14	- 4
7 x10	- 4
2 x28	- 5
4 x14	- 5
7 x 8	- 5
3½x16	- 5
2 x20	- 7
2½x16	- 7
4 x10	- 7
5 x 8	- 7
2½x14	- 8
3½x10	- 8
5 x 7	- 8
2½x14	- 8
3½x10	- 8
2 x17½	- 8
1 x28	-10
1¾x16	-10
2 x14	-10
3½x 8	-10
4 x 7	-10
1 x20	-14
2 x10	-14
2½x 8	-14
4 x 5	-14
1 x17½	-16
1¼x14	-16
1¾x10	-16
2 x 8¾	-16
2½x 7	-16
3½x 5	-16
1 x14	-20
1¾x 8	-20
2 x 7	-20
3½x 4	-20
1 x10	-28
2 x 5	-28
1 x 8	-35
2 x 4	-35

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2 x 10 / 4 x 5 / 2½x 8 = 14

	1 Piece. Feet.	2 Pieces. Feet.	3 Pieces. Feet.	4 Pieces. Feet.	5 Pieces. Feet.	6 Pieces. Feet.	7 Pieces. Feet.	8 Pieces. Feet.	9 Pieces. Feet.	10 Pieces. Feet.	
	23⅓	46⅔	70	93⅓	116⅔	140	163⅓	186⅔	210	233⅓	10
10	256⅔	280	303⅓	326⅔	350	373⅓	396⅔	420	443⅓	466⅔	20
20	490	513⅓	536⅔	560	583⅓	606⅔	630	653⅓	676⅔	700	30
30	723⅓	746⅔	770	793⅓	816⅔	840	863⅓	886⅔	910	933⅓	40
40	956⅔	980	1003⅓	1026⅔	1050	1073⅓	1096⅔	1120	1143⅓	1166⅔	50
50	1190	1213⅓	1236⅔	1260	1283⅓	1306⅔	1330	1353⅓	1376⅔	1400	60
60	1423⅓	1446⅔	1470	1493⅓	1516⅔	1540	1563⅓	1586⅔	1610	1633⅓	70
70	1656⅔	1680	1703⅓	1726⅔	1750	1773⅓	1796⅔	1820	1843⅓	1866⅔	80
80	1890	1913⅓	1936⅔	1960	1983⅓	2006⅔	2030	2053⅓	2076⅔	2100	90
90	2123⅓	2146⅔	2170	2193⅓	2216⅔	2240	2263⅓	2286⅔	2310	2333⅓	100
100	2356⅔	2380	2403⅓	2426⅔	2450	2473⅓	2496⅔	2520	2543⅓	2566⅔	110
110	2590	2613⅓	2636⅔	2660	2683⅓	2706⅔	2730	2753⅓	2776⅔	2800	120
120	2823⅓	2846⅔	2870	2893⅓	2916⅔	2940	2963⅓	2986⅔	3010	3033⅓	130
130	3056⅔	3080	3103⅓	3126⅔	3150	3173⅓	3196⅔	3220	3243⅓	3266⅔	140
140	3290	3313⅓	3336⅔	3360	3383⅓	3406⅔	3430	3453⅓	3476⅔	3500	150
150	3523⅓	3546⅔	3570	3593⅓	3616⅔	3640	3663⅓	3686⅔	3710	3733⅓	160
160	3756⅔	3780	3803⅓	3826⅔	3850	3873⅓	3896⅔	3920	3943⅓	3966⅔	170
170	3990	4013⅓	4036⅔	4060	4083⅓	4106⅔	4130	4153⅓	4176⅔	4200	180
180	4223⅓	4246⅔	4270	4293⅓	4316⅔	4340	4363⅓	4386⅔	4410	4433⅓	190
190	4456⅔	4480	4503⅓	4526⅔	4550	4573⅓	4596⅔	4620	4643⅓	4666⅔	200
200	4690	4713⅓	4736⅔	4760	4783⅓	4806⅔	4830	4853⅓	4876⅔	4900	210
210	4923⅓	4946⅔	4970	4993⅓	5016⅔	5040	5063⅓	5086⅔	5110	5133⅓	220
220	5156⅔	5180	5203⅓	5226⅔	5250	5273⅓	5296⅔	5320	5343⅓	5366⅔	230
230	5390	5413⅓	5436⅔	5460	5483⅓	5506⅔	5530	5553⅓	5576⅔	5600	240
240	5623⅓	5646⅔	5670	5693⅓	5716⅔	5740	5763⅓	5786⅔	5810	5833⅓	250
250	5856⅔	5880	5903⅓	5926⅔	5950	5973⅓	5996⅔	6020	6043⅓	6066⅔	260
260	6090	6113⅓	6136⅔	6160	6183⅓	6206⅔	6230	6253⅓	6276⅔	6300	270
270	6323⅓	6346⅔	6370	6393⅓	6416⅔	6440	6463⅓	6486⅔	6510	6533⅓	280
280	6556⅔	6580	6603⅓	6626⅔	6650	6673⅓	6696⅔	6720	6743⅓	6766⅔	290
290	6790	6813⅓	6836⅔	6860	6883⅓	6906⅔	6930	6953⅓	6976⅔	7000	300
300	7023⅓	7046⅔	7070	7093⅓	7116⅔	7140	7163⅓	7186⅔	7210	7233⅓	310
310	7256⅔	7280	7303⅓	7326⅔	7350	7373⅓	7396⅔	7420	7443⅓	7466⅔	320
320	7490	7513⅓	7536⅔	7560	7583⅓	7606⅔	7630	7653⅓	7676⅔	7700	330
330	7723⅓	7746⅔	7770	7793⅓	7816⅔	7840	7863⅓	7886⅔	7910	7933⅓	340
340	7956⅔	7980	8003⅓	8026⅔	8050	8073⅓	8096⅔	8120	8143⅓	8166⅔	350
350	8190	8213⅓	8236⅔	8260	8283⅓	8306⅔	8330	8353⅓	8376⅔	8400	360
360	8423⅓	8446⅔	8470	8493⅓	8516⅔	8540	8563⅓	8586⅔	8610	8633⅓	370
370	8656⅔	8680	8703⅓	8726⅔	8750	8773⅓	8796⅔	8820	8843⅓	8866⅔	380
380	8890	8913⅓	8936⅔	8960	8983⅓	9006⅔	9030	9053⅓	9076⅔	9100	390
390	9123⅓	9146⅔	9170	9193⅓	9216⅔	9240	9263⅓	9286⅔	9310	9333⅓	400
400	9356⅔	9380	9403⅓	9426⅔	9450	9473⅓	9496⅔	9520	9543⅓	9566⅔	410
410	9590	9613⅓	9636⅔	9660	9683⅓	9706⅔	9730	9753⅓	9776⅔	9800	420
420	9823⅓	9846⅔	9870	9893⅓	9916⅔	9940	9963⅓	9986⅔	10010	10033⅓	430
430	10056⅔	10080	10103⅓	10126⅔	10150	10173⅓	10196⅔	10220	10243⅓	10266⅔	440
440	10290	10313⅓	10336⅔	10360	10383⅓	10406⅔	10430	10453⅓	10476⅔	10500	450
450	10523⅓	10546⅔	10570	10593⅓	10616⅔	10640	10663⅓	10686⅔	10710	10733⅓	460
460	10756⅔	10780	10803⅓	10826⅔	10850	10873⅓	10896⅔	10920	10943⅓	10966⅔	470
470	10990	11013⅓	11036⅔	11060	11083⅓	11106⅔	11130	11153⅓	11176⅔	11200	480
480	11223⅓	11246⅔	11270	11293⅓	11316⅔	11340	11363⅓	11386⅔	11410	11433⅓	490
490	11456⅔	11480	11503⅓	11526⅔	11550	11573⅓	11596⅔	11620	11643⅓	11666⅔	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\frac{2}{4} \times \frac{10}{5} = 16$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	26⅔	53⅓	80	106⅔	133⅓	160	186⅔	213⅓	240	266⅔	10
10	293⅓	320	346⅔	373⅓	400	426⅔	453⅓	480	506⅔	533⅓	20
20	560	586⅔	613⅓	640	666⅔	693⅓	720	746⅔	773⅓	800	30
30	826⅔	853⅓	880	906⅔	933⅓	960	986⅔	1013⅓	1040	1066⅔	40
40	1093⅓	1120	1146⅔	1173⅓	1200	1226⅔	1253⅓	1280	1306⅔	1333⅓	50
50	1360	1386⅔	1413⅓	1440	1466⅔	1493⅓	1520	1546⅔	1573⅓	1600	60
60	1626⅔	1653⅓	1680	1706⅔	1733⅓	1760	1786⅔	1813⅓	1840	1866⅔	70
70	1893⅓	1920	1946⅔	1973⅓	2000	2026⅔	2053⅓	2080	2106⅔	2133⅓	80
80	2160	2186⅔	2213⅓	2240	2266⅔	2293⅓	2320	2346⅔	2373⅓	2400	90
90	2426⅔	2453⅓	2480	2506⅔	2533⅓	2560	2586⅔	2613⅓	2640	2666⅔	100
100	2693⅓	2720	2746⅔	2773⅓	2800	2826⅔	2853⅓	2880	2906⅔	2933⅓	110
110	2960	2986⅔	3013⅓	3040	3066⅔	3093⅓	3120	3146⅔	3173⅓	3200	120
120	3226⅔	3253⅓	3280	3306⅔	3333⅓	3360	3386⅔	3413⅓	3440	3466⅔	130
130	3493⅓	3520	3546⅔	3573⅓	3600	3626⅔	3653⅓	3680	3706⅔	3733⅓	140
140	3760	3786⅔	3813⅓	3840	3866⅔	3893⅓	3920	3946⅔	3973⅓	4000	150
150	4026⅔	4053⅓	4080	4106⅔	4133⅓	4160	4186⅔	4213⅓	4240	4266⅔	160
160	4293⅓	4320	4346⅔	4373⅓	4400	4426⅔	4453⅓	4480	4506⅔	4533⅓	170
170	4560	4586⅔	4613⅓	4640	4666⅔	4693⅓	4720	4746⅔	4773⅓	4800	180
180	4826⅔	4853⅓	4880	4906⅔	4933⅓	4960	4986⅔	5013⅓	5040	5066⅔	190
190	5093⅓	5120	5146⅔	5173⅓	5200	5226⅔	5253⅓	5280	5306⅔	5333⅓	200
200	5360	5386⅔	5413⅓	5440	5466⅔	5493⅓	5520	5546⅔	5573⅓	5600	210
210	5626⅔	5653⅓	5680	5706⅔	5733⅓	5760	5786⅔	5813⅓	5840	5866⅔	220
220	5893⅓	5920	5946⅔	5973⅓	6000	6026⅔	6053⅓	6080	6106⅔	6133⅓	230
230	6160	6186⅔	6213⅓	6240	6266⅔	6293⅓	6320	6346⅔	6373⅓	6400	240
240	6426⅔	6453⅓	6480	6506⅔	6533⅓	6560	6586⅔	6613⅓	6640	6666⅔	250
250	6693⅓	6720	6746⅔	6773⅓	6800	6826⅔	6853⅓	6880	6906⅔	6933⅓	260
260	6960	6986⅔	7013⅓	7040	7066⅔	7093⅓	7120	7146⅔	7173⅓	7200	270
270	7226⅔	7253⅓	7280	7306⅔	7333⅓	7360	7386⅔	7413⅓	7440	7466⅔	280
280	7493⅓	7520	7546⅔	7573⅓	7600	7626⅔	7653⅓	7680	7706⅔	7733⅓	290
290	7760	7786⅔	7813⅓	7840	7866⅔	7893⅓	7920	7946⅔	7973⅓	8000	300
300	8026⅔	8053⅓	8080	8106⅔	8133⅓	8160	8186⅔	8213⅓	8240	8266⅔	310
310	8293⅓	8320	8346⅔	8373⅓	8400	8426⅔	8453⅓	8480	8506⅔	8533⅓	320
320	8560	8586⅔	8613⅓	8640	8666⅔	8693⅓	8720	8746⅔	8773⅓	8800	330
330	8826⅔	8853⅓	8880	8906⅔	8933⅓	8960	8986⅔	9013⅓	9040	9066⅔	340
340	9093⅓	9120	9146⅔	9173⅓	9200	9226⅔	9253⅓	9280	9306⅔	9333⅓	350
350	9360	9386⅔	9413⅓	9440	9466⅔	9493⅓	9520	9546⅔	9573⅓	9600	360
360	9626⅔	9653⅓	9680	9706⅔	9733⅓	9760	9786⅔	9813⅓	9840	9866⅔	370
370	9893⅓	9920	9946⅔	9973⅓	10000	10026⅔	10053⅓	10080	10106⅔	10133⅓	380
380	10160	10186⅔	10213⅓	10240	10266⅔	10293⅓	10320	10346⅔	10373⅓	10400	390
390	10426⅔	10453⅓	10480	10506⅔	10533⅓	10560	10586⅔	10613⅓	10640	10666⅔	400
400	10693⅓	10720	10746⅔	10773⅓	10800	10826⅔	10853⅓	10880	10906⅔	10933⅓	410
410	10960	10986⅔	11013⅓	11040	11066⅔	11093⅓	11120	11146⅔	11173⅓	11200	420
420	11226⅔	11253⅓	11280	11306⅔	11333⅓	11360	11386⅔	11413⅓	11440	11466⅔	430
430	11493⅓	11520	11546⅔	11573⅓	11600	11626⅔	11653⅓	11680	11706⅔	11733⅓	440
440	11760	11786⅔	11813⅓	11840	11866⅔	11893⅓	11920	11946⅔	11973⅓	12000	450
450	12026⅔	12053⅓	12080	12106⅔	12133⅓	12160	12186⅔	12213⅓	12240	12266⅔	460
460	12293⅓	12320	12346⅔	12373⅓	12400	12426⅔	12453⅓	12480	12506⅔	12533⅓	470
470	12560	12586⅔	12613⅓	12640	12666⅔	12693⅓	12720	12746⅔	12773⅓	12800	480
480	12826⅔	12853⅓	12880	12906⅔	12933⅓	12960	12986⅔	13013⅓	13040	13066⅔	490
490	13093⅓	13120	13146⅔	13173⅓	13200	13226⅔	13253⅓	13280	13306⅔	13333⅓	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
8 x40	- 1
10 x32	- 1
16 x20	- 1
4 x40	- 2
5 x32	- 2
8 x20	- 2
10 x16	- 2
2½ x32	- 4
2 x40	- 4
4 x20	- 4
5 x16	- 4
8 x10	- 4
2 x32	- 5
4 x16	- 5
8 x 8	- 5
1 x40	- 8
1¼ x32	- 8
2 x20	- 8
2½ x16	- 8
4 x10	- 8
5 x 8	- 8
1 x32	-10
2 x16	-10
4 x 8	-10
1 x20	-16
1¼ x16	-16
2 x10	-16
4 x 5	-16
1 x16	-20
2 x 8	-20
4 x 4	-20
1 x10	-32
2 x 5	-32
1 x 8	-40
2 x 4	-40

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1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

2 x 10, 4 x 5, 2½ x 8 = 18

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	30	60	90	120	150	180	210	240	270	300	**10**
10	330	360	390	420	450	480	510	540	570	600	**20**
20	630	660	690	720	750	780	810	840	870	900	**30**
30	930	960	990	1020	1050	1080	1110	1140	1170	1200	**40**
40	1230	1260	1290	1320	1350	1380	1410	1440	1470	1500	**50**
50	1530	1560	1590	1620	1650	1680	1710	1740	1770	1800	**60**
60	1830	1860	1890	1920	1950	1980	2010	2040	2070	2100	**70**
70	2130	2160	2190	2220	2250	2280	2310	2340	2370	2400	**80**
80	2430	2460	2490	2520	2550	2580	2610	2640	2670	2700	**90**
90	2730	2760	2790	2820	2850	2880	2910	2940	2970	3000	**100**
100	3030	3060	3090	3120	3150	3180	3210	3240	3270	3300	**110**
110	3330	3360	3390	3420	3450	3480	3510	3540	3570	3600	**120**
120	3630	3660	3690	3720	3750	3780	3810	3840	3870	3900	**130**
130	3930	3960	3990	4020	4050	4080	4110	4140	4170	4200	**140**
140	4230	4260	4290	4320	4350	4380	4410	4440	4470	4500	**150**
150	4530	4560	4590	4620	4650	4680	4710	4740	4770	4800	**160**
160	4830	4860	4890	4920	4950	4980	5010	5040	5070	5100	**170**
170	5130	5160	5190	5220	5250	5280	5310	5340	5370	5400	**180**
180	5430	5460	5490	5520	5550	5580	5610	5640	5670	5700	**190**
190	5730	5760	5790	5820	5850	5880	5910	5940	5970	6000	**200**
200	6030	6060	6090	6120	6150	6180	6210	6240	6270	6300	**210**
210	6330	6360	6390	6420	6450	6480	6510	6540	6570	6600	**220**
220	6630	6660	6690	6720	6750	6780	6810	6840	6870	6900	**230**
230	6930	6960	6990	7020	7050	7080	7110	7140	7170	7200	**240**
240	7230	7260	7290	7320	7350	7380	7410	7440	7470	7500	**250**
250	7530	7560	7590	7620	7650	7680	7710	7740	7770	7800	**260**
260	7830	7860	7890	7920	7950	7980	8010	8040	8070	8100	**270**
270	8130	8160	8190	8220	8250	8280	8310	8340	8370	8400	**280**
280	8430	8460	8490	8520	8550	8580	8610	8640	8670	8700	**290**
290	8730	8760	8790	8820	8850	8880	8910	8940	8970	9000	**300**
300	9030	9060	9090	9120	9150	9180	9210	9240	9270	9300	**310**
310	9330	9360	9390	9420	9450	9480	9510	9540	9570	9600	**320**
320	9630	9660	9690	9720	9750	9780	9810	9840	9870	9900	**330**
330	9930	9960	9990	10020	10050	10080	10110	10140	10170	10200	**340**
340	10230	10260	10290	10320	10350	10380	10410	10440	10470	10500	**350**
350	10530	10560	10590	10620	10650	10680	10710	10740	10770	10800	**360**
360	10830	10860	10890	10920	10950	10980	11010	11040	11070	11100	**370**
370	11130	11160	11190	11220	11250	11280	11310	11340	11370	11400	**380**
380	11430	11460	11490	11520	11550	11580	11610	11640	11670	11700	**390**
390	11730	11760	11790	11820	11850	11880	11910	11940	11970	12000	**400**
400	12030	12060	12090	12120	12150	12180	12210	12240	12270	12300	**410**
410	12330	12360	12390	12420	12450	12480	12510	12540	12570	12600	**420**
420	12630	12660	12690	12720	12750	12780	12810	12840	12870	12900	**430**
430	12930	12960	12990	13020	13050	13080	13110	13140	13170	13200	**440**
440	13230	13260	13290	13320	13350	13380	13410	13440	13470	13500	**450**
450	13530	13560	13590	13620	13650	13680	13710	13740	13770	13800	**460**
460	13830	13860	13890	13920	13950	13980	14010	14040	14070	14100	**470**
470	14130	14160	14190	14220	14250	14280	14310	14340	14370	14400	**480**
480	14430	14460	14490	14520	14550	14580	14610	14640	14670	14700	**490**
490	14730	14760	14790	14820	14850	14880	14910	14940	14970	15000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size
11¼ x32
12 x30
15 x24
18 x30
6 x30
7½ x24
9 x20
10 x18
12 x15
3¾ x32
4 x30
5 x24
6 x20
7½ x16
8 x15
10 x12
1 x90
3 x30
4½ x20
5 x18
6 x15
7½ x12
8 x11¼
9 x10
3 x24
4 x18
4½ x16
6 x12
8 x 9
1 x60
2 x30
3 x20
4 x15
5 x12
6 x10
1 x45
1¼ x36
1½ x30
2 x22½
2¼ x20
2½ x18
3 x15
4 x11¼
5 x 9
6 x 7½
½ x80
1 x40
2 x20
2½ x16
4 x10
5 x 8
½ x72
1 x36
1½ x24
2 x18
3 x12
4 x 9
6 x 6
1¼ x24
1½ x20
2 x15
2½ x12
3 x10
5 x 6
½ x48
1 x24
2 x12
3 x 8
4 x 6
½ x45
1 x22½
1¼ x18
1½ x15
2 x11¼
2¼ x10
2½ x 9
3¾ x 6
½ x40
2 x10
2½ x 8
4 x 5
½ x24
1 x12
2 x 6
3 x 4
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2 x 10
4 x 5 = **20**
2½x 8

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	33⅓	66⅔	100	133⅓	166⅔	200	233⅓	266⅔	300	333⅓	**10**
10	366⅔	400	433⅓	466⅔	500	533⅓	566⅔	600	633⅓	666⅔	**20**
20	700	733⅓	766⅔	800	833⅓	866⅔	900	933⅓	966⅔	1000	**30**
30	1033⅓	1066⅔	1100	1133⅓	1166⅔	1200	1233⅓	1266⅔	1300	1333⅓	**40**
40	1366⅔	1400	1433⅓	1466⅔	1500	1533⅓	1566⅔	1600	1633⅓	1666⅔	**50**
50	1700	1733⅓	1766⅔	1800	1833⅓	1866⅔	1900	1933⅓	1966⅔	2000	**60**
60	2033⅓	2066⅔	2100	2133⅓	2166⅔	2200	2233⅓	2266⅔	2300	2333⅓	**70**
70	2366⅔	2400	2433⅓	2466⅔	2500	2533⅓	2566⅔	2600	2633⅓	2666⅔	**80**
80	2700	2733⅓	2766⅔	2800	2833⅓	2866⅔	2900	2933⅓	2966⅔	3000	**90**
90	3033⅓	3066⅔	3100	3133⅓	3166⅔	3200	3233⅓	3266⅔	3300	3333⅓	**100**
100	3366⅔	3400	3433⅓	3466⅔	3500	3533⅓	3566⅔	3600	3633⅓	3666⅔	**110**
110	3700	3733⅓	3766⅔	3800	3833⅓	3866⅔	3900	3933⅓	3966⅔	4000	**120**
120	4033⅓	4066⅔	4100	4133⅓	4166⅔	4200	4233⅓	4266⅔	4300	4333⅓	**130**
130	4366⅔	4400	4433⅓	4466⅔	4500	4533⅓	4566⅔	4600	4633⅓	4666⅔	**140**
140	4700	4733⅓	4766⅔	4800	4833⅓	4866⅔	4900	4933⅓	4966⅔	5000	**150**
150	5033⅓	5066⅔	5100	5133⅓	5166⅔	5200	5233⅓	5266⅔	5300	5333⅓	**160**
160	5366⅔	5400	5433⅓	5466⅔	5500	5533⅓	5566⅔	5600	5633⅓	5666⅔	**170**
170	5700	5733⅓	5766⅔	5800	5833⅓	5866⅔	5900	5933⅓	5966⅔	6000	**180**
180	6033⅓	6066⅔	6100	6133⅓	6166⅔	6200	6233⅓	6266⅔	6300	6333⅓	**190**
190	6366⅔	6400	6433⅓	6466⅔	6500	6533⅓	6566⅔	6600	6633⅓	6666⅔	**200**
200	6700	6733⅓	6766⅔	6800	6833⅓	6866⅔	6900	6933⅓	6966⅔	7000	**210**
210	7033⅓	7066⅔	7100	7133⅓	7166⅔	7200	7233⅓	7266⅔	7300	7333⅓	**220**
220	7366⅔	7400	7433⅓	7466⅔	7500	7533⅓	7566⅔	7600	7633⅓	7666⅔	**230**
230	7700	7733⅓	7766⅔	7800	7833⅓	7866⅔	7900	7933⅓	7966⅔	8000	**240**
240	8033⅓	8066⅔	8100	8133⅓	8166⅔	8200	8233⅓	8266⅔	8300	8333⅓	**250**
250	8366⅔	8400	8433⅓	8466⅔	8500	8533⅓	8566⅔	8600	8633⅓	8666⅔	**260**
260	8700	8733⅓	8766⅔	8800	8833⅓	8866⅔	8900	8933⅓	8966⅔	9000	**270**
270	9033⅓	9066⅔	9100	9133⅓	9166⅔	9200	9233⅓	9266⅔	9300	9333⅓	**280**
280	9366⅔	9400	9433⅓	9466⅔	9500	9533⅓	9566⅔	9600	9633⅓	9666⅔	**290**
290	9700	9733⅓	9766⅔	9800	9833⅓	9866⅔	9900	9933⅓	9966⅔	10000	**300**
300	10033⅓	10066⅔	10100	10133⅓	10166⅔	10200	10233⅓	10266⅔	10300	10333⅓	**310**
310	10366⅔	10400	10433⅓	10466⅔	10500	10533⅓	10566⅔	10600	10633⅓	10666⅔	**320**
320	10700	10733⅓	10766⅔	10800	10833⅓	10866⅔	10900	10933⅓	10966⅔	11000	**330**
330	11033⅓	11066⅔	11100	11133⅓	11166⅔	11200	11233⅓	11266⅔	11300	11333⅓	**340**
340	11366⅔	11400	11433⅓	11466⅔	11500	11533⅓	11566⅔	11600	11633⅓	11666⅔	**350**
350	11700	11733⅓	11766⅔	11800	11833⅓	11866⅔	11900	11933⅓	11966⅔	12000	**360**
360	12033⅓	12066⅔	12100	12133⅓	12166⅔	12200	12233⅓	12266⅔	12300	12333⅓	**370**
370	12366⅔	12400	12433⅓	12466⅔	12500	12533⅓	12566⅔	12600	12633⅓	12666⅔	**380**
380	12700	12733⅓	12766⅔	12800	12833⅓	12866⅔	12900	12933⅓	12966⅔	13000	**390**
390	13033⅓	13066⅔	13100	13133⅓	13166⅔	13200	13233⅓	13266⅔	13300	13333⅓	**400**
400	13366⅔	13400	13433⅓	13466⅔	13500	13533⅓	13566⅔	13600	13633⅓	13666⅔	**410**
410	13700	13733⅓	13766⅔	13800	13833⅓	13866⅔	13900	13933⅓	13966⅔	14000	**420**
420	14033⅓	14066⅔	14100	14133⅓	14166⅔	14200	14233⅓	14266⅔	14300	14333⅓	**430**
430	14366⅔	14400	14433⅓	14466⅔	14500	14533⅓	14566⅔	14600	14633⅓	14666⅔	**440**
440	14700	14733⅓	14766⅔	14800	14833⅓	14866⅔	14900	14933⅓	14966⅔	15000	**450**
450	15033⅓	15066⅔	15100	15133⅓	15166⅔	15200	15233⅓	15266⅔	15300	15333⅓	**460**
460	15366⅔	15400	15433⅓	15466⅔	15500	15533⅓	15566⅔	15600	15633⅓	15666⅔	**470**
470	15700	15733⅓	15766⅔	15800	15833⅓	15866⅔	15900	15933⅓	15966⅔	16000	**480**
480	16033⅓	16066⅔	16100	16133⅓	16166⅔	16200	16233⅓	16266⅔	16300	16333⅓	**490**
490	16366⅔	16400	16433⅓	16466⅔	16500	16533⅓	16566⅔	16600	16633⅓	16666⅔	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
8 x50	- 1
16 x25	- 1
5 x40	- 2
8 x25	- 2
10 x20	- 2
2 x50	- 4
2½x40	- 4
4 x25	- 4
5 x20	- 4
8 x12½	- 4
2 x40	- 5
2½x32	- 5
4 x20	- 5
5 x16	- 5
8 x10	- 5
1 x50	- 8
2 x25	- 8
2½x20	- 8
4 x12½	- 8
5 x10	- 8
6¼x 8	- 8
½x80	-10
1 x40	-10
1¼x32	-10
2 x20	-10
2½x16	-10
4 x10	-10
5 x 8	-10
½x50	-16
1 x25	-16
1¼x20	-16
2 x12½	-16
2½x10	-16
4 x 6¼	-16
5 x 5	-16
¼x80	-20
½x40	-20
1 x20	-20
1¼x16	-20
2 x10	-20
2½x 8	-20
4 x 5	-20
¼x64	-25
½x32	-25
1 x16	-25
2 x 8	-25
4 x 4	-25
⅛x80	-40
¼x40	-40
½x20	-40
1 x10	-40
2 x 5	-40
⅛x80	-40
⅛x64	-50
¼x32	-50

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1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

Size	Lth
5 x44	- 2
5½x40	- 2
10 x22	- 2
11 x20	- 2
2 x55	- 4
2½x44	- 4
4 x27½	- 4
5 x22	- 4
8 x13¾	- 4
10 x11	- 4
2 x44	- 5
4 x22	- 5
8 x11	- 5
1 x55	- 8
2 x27½	- 8
2¾x20	- 8
4 x13¾	- 8
5 x11	- 8
5½x10	- 8
1 x44	-10
2 x22	-10
4 x11	-10
5½x 8	-10
1 x40	-11
2 x20	-11
4 x10	-11
5 x 8	-11
1 x27½	-16
1¼x22	-16
2 x13¾	-16
2½x11	-16
2¾x10	-16
5 x 5½	-16
¼x88	-20
½x44	-20
1 x22	-20
2 x11	-20
4 x 5½	-20
¼x80	-22
½x40	-22
1 x20	-22
1¼x16	-22
2 x10	-22
2½x 8	-22
4 x 5	-22
⅛x80	-44
¼x40	-44
½x20	-44
1 x10	-44
2 x 5	-44
2½x 4	-44

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2 x10 / 4 x 5 / 2½x 8 = 22

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	36⅔	73⅓	110	146⅔	183⅓	220	256⅔	293⅓	330	366⅔	10
10	403⅓	440	476⅔	513⅓	550	586⅔	623⅓	660	696⅔	733⅓	20
20	770	806⅔	843⅓	880	916⅔	953⅓	990	1026⅔	1063⅓	1100	30
30	1136⅔	1173⅓	1210	1246⅔	1283⅓	1320	1356⅔	1393⅓	1430	1466⅔	40
40	1503⅓	1540	1576⅔	1613⅓	1650	1686⅔	1723⅓	1760	1796⅔	1833⅓	50
50	1870	1906⅔	1943⅓	1980	2016⅔	2053⅓	2090	2126⅔	2163⅓	2200	60
60	2236⅔	2273⅓	2310	2346⅔	2383⅓	2420	2456⅔	2493⅓	2530	2566⅔	70
70	2603⅓	2640	2676⅔	2713⅓	2750	2786⅔	2823⅓	2860	2896⅔	2933⅓	80
80	2970	3006⅔	3043⅓	3080	3116⅔	3153⅓	3190	3226⅔	3263⅓	3300	90
90	3336⅔	3373⅓	3410	3446⅔	3483⅓	3520	3556⅔	3593⅓	3630	3666⅔	100
100	3703⅓	3740	3776⅔	3813⅓	3850	3886⅔	3923⅓	3960	3996⅔	4033⅓	110
110	4070	4106⅔	4143⅓	4180	4216⅔	4253⅓	4290	4326⅔	4363⅓	4400	120
120	4436⅔	4473⅓	4510	4546⅔	4583⅓	4620	4656⅔	4693⅓	4730	4766⅔	130
130	4803⅓	4840	4876⅔	4913⅓	4950	4986⅔	5023⅓	5060	5096⅔	5133⅓	140
140	5170	5206⅔	5243⅓	5280	5316⅔	5353⅓	5390	5426⅔	5463⅓	5500	150
150	5536⅔	5573⅓	5610	5646⅔	5683⅓	5720	5756⅔	5793⅓	5830	5866⅔	160
160	5903⅓	5940	5976⅔	6013⅓	6050	6086⅔	6123⅓	6160	6196⅔	6233⅓	170
170	6270	6306⅔	6343⅓	6380	6416⅔	6453⅓	6490	6526⅔	6563⅓	6600	180
180	6636⅔	6673⅓	6710	6746⅔	6783⅓	6820	6856⅔	6893⅓	6930	6966⅔	190
190	7003⅓	7040	7076⅔	7113⅓	7150	7186⅔	7223⅓	7260	7296⅔	7333⅓	200
200	7370	7406⅔	7443⅓	7480	7516⅔	7553⅓	7590	7626⅔	7663⅓	7700	210
210	7736⅔	7773⅓	7810	7846⅔	7883⅓	7920	7956⅔	7993⅓	8030	8066⅔	220
220	8103⅓	8140	8176⅔	8213⅓	8250	8286⅔	8323⅓	8360	8396⅔	8433⅓	230
230	8470	8506⅔	8543⅓	8580	8616⅔	8653⅓	8690	8726⅔	8763⅓	8800	240
240	8836⅔	8873⅓	8910	8946⅔	8983⅓	9020	9056⅔	9093⅓	9130	9166⅔	250
250	9203⅓	9240	9276⅔	9313⅓	9350	9386⅔	9423⅓	9460	9496⅔	9533⅓	260
260	9570	9606⅔	9643⅓	9680	9716⅔	9753⅓	9790	9826⅔	9863⅓	9900	270
270	9936⅔	9973⅓	10010	10046⅔	10083⅓	10120	10156⅔	10193⅓	10230	10266⅔	280
280	10303⅓	10340	10376⅔	10413⅓	10450	10486⅔	10523⅓	10560	10596⅔	10633⅓	290
290	10670	10706⅔	10743⅓	10780	10816⅔	10853⅓	10890	10926⅔	10963⅓	11000	300
300	11036⅔	11073⅓	11110	11146⅔	11183⅓	11220	11256⅔	11293⅓	11330	11366⅔	310
310	11403⅓	11440	11476⅔	11513⅓	11550	11586⅔	11623⅓	11660	11606⅔	11733⅓	320
320	11770	11806⅔	11843⅓	11880	11916⅔	11953⅓	11990	12026⅔	12063⅓	12100	330
330	12136⅔	12173⅓	12210	12246⅔	12283⅓	12320	12356⅔	12393⅓	12430	12466⅔	340
340	12503⅓	12540	12576⅔	12613⅓	12650	12686⅔	12723⅓	12760.	12796⅔	12833⅓	350
350	12870	12906⅔	12943⅓	12980	13016⅔	13053⅓	13090	13126⅔	13163⅓	13200	360
360	13236⅔	13273⅓	13310	13346⅔	13383⅓	13420	13456⅔	13493⅓	13530	13566⅔	370
370	13603⅓	13640	13676⅔	13713⅓	13750	13786⅔	13823⅓	13860	13896⅔	13933⅓	380
380	13970	14006⅔	14043⅓	14080	14116⅔	14153⅓	14190	14226⅔	14263⅓	14300	390
390	14336⅔	14373⅓	14410	14446⅔	14483⅓	14520	14556⅔	14593⅓	14630	14666⅔	400
400	14703⅓	14740	14776⅔	14813⅓	14850	14886⅔	14923⅓	14960	14996⅔	15033⅓	410
410	15070	15106⅔	15143⅓	15180	15216⅔	15253⅓	15290	15326⅔	15363⅓	15400	420
420	15436⅔	15473⅓	15510	15546⅔	15583⅓	15620	15656⅔	15693⅓	15730	15766⅔	430
430	15803⅓	15840	15876⅔	15913⅓	15950	15986⅔	16023⅓	16060	16096⅔	16133⅓	440
440	16170	16206⅔	16243⅓	16280	16316⅔	16353⅓	16390	16426⅔	16463⅓	16500	450
450	16536⅔	16573⅓	16610	16646⅔	16683⅓	16720	16756⅔	16793⅓	16830	16866⅔	460
460	16903⅓	16940	16976⅔	17013⅓	17050	17086⅔	17123⅓	17160	17196⅔	17233⅓	470
470	17270	17306⅔	17343⅓	17380	17416⅔	17453⅓	17490	17526⅔	17563⅓	17600	480
480	17636⅔	17673⅓	17710	17746⅔	17783⅓	17820	17856⅔	17893⅓	17930	17966⅔	490
490	18003⅓	18040	18076⅔	18113⅓	18150	18186⅔	18223⅓	18260	18296⅔	18333⅓	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2 x 10
4 x 5
2½x 8 = **24**

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	40	80	120	160	200	240	280	320	360	400	**10**
10	440	480	520	560	600	640	680	720	760	800	**20**
20	840	880	920	960	1000	1040	1080	1120	1160	1200	**30**
30	1240	1280	1320	1360	1400	1440	1480	1520	1560	1600	**40**
40	1640	1680	1720	1760	1800	1840	1880	1920	1960	2000	**50**
50	2040	2080	2120	2160	2200	2240	2280	2320	2360	2400	**60**
60	2440	2480	2520	2560	2600	2640	2680	2720	2760	2800	**70**
70	2840	2880	2920	2960	3000	3040	3080	3120	3160	3200	**80**
80	3240	3280	3320	3360	3400	3440	3480	3520	3560	3600	**90**
90	3640	3680	3720	3760	3800	3840	3880	3920	3960	4000	**100**
100	4040	4080	4120	4160	4200	4240	4280	4320	4360	4400	**110**
110	4440	4480	4520	4560	4600	4640	4680	4720	4760	4800	**120**
120	4840	4880	4920	4960	5000	5040	5080	5120	5160	5200	**130**
130	5240	5280	5320	5360	5400	5440	5480	5520	5560	5600	**140**
140	5640	5680	5720	5760	5800	5840	5880	5920	5960	6000	**150**
150	6040	6080	6120	6160	6200	6240	6280	6320	6360	6400	**160**
160	6440	6480	6520	6560	6600	6640	6680	6720	6760	6800	**170**
170	6840	6880	6920	6960	7000	7040	7080	7120	7160	7200	**180**
180	7240	7280	7320	7360	7400	7440	7480	7520	7560	7600	**190**
190	7640	7680	7720	7760	7800	7840	7880	7920	7960	8000	**200**
200	8040	8080	8120	8160	8200	8240	8280	8320	8360	8400	**210**
210	8440	8480	8520	8560	8600	8640	8680	8720	8760	8800	**220**
220	8840	8880	8920	8960	9000	9040	9080	9120	9160	9200	**230**
230	9240	9280	9320	9360	9400	9440	9480	9520	9560	9600	**240**
240	9640	9680	9720	9760	9800	9840	9880	9920	9960	10000	**250**

2 x 10
4 x 5
2½x 8 = **26**

	43⅓	86⅔	130	173⅓	216⅔	260	303⅓	346⅔	390	433⅓	**10**
10	476⅔	520	563⅓	606⅔	650	693⅓	736⅔	780	823⅓	866⅔	**20**
20	910	953⅓	996⅔	1040	1083⅓	1126⅔	1170	1213⅓	1256⅔	1300	**30**
30	1343⅓	1386⅔	1430	1473⅓	1516⅔	1560	1603⅓	1646⅔	1690	1733⅓	**40**
40	1776⅔	1820	1863⅓	1906⅔	1950	1993⅓	2036⅔	2080	2123⅓	2166⅔	**50**
50	2210	2253⅓	2296⅔	2340	2383⅓	2426⅔	2470	2513⅓	2556⅔	2600	**60**
60	2643⅓	2686⅔	2730	2773⅓	2816⅔	2860	2903⅓	2946⅔	2990	3033⅓	**70**
70	3076⅔	3120	3163⅓	3206⅔	3250	3293⅓	3336⅔	3380	3423⅓	3466⅔	**80**
80	3510	3553⅓	3596⅔	3640	3683⅓	3726⅔	3770	3813⅓	3856⅔	3900	**90**
90	3943⅓	3986⅔	4030	4073⅓	4116⅔	4160	4203⅓	4246⅔	4290	4333⅓	**100**
100	4376⅔	4420	4463⅓	4506⅔	4550	4593⅓	4636⅔	4680	4723⅓	4766⅔	**110**
110	4810	4853⅓	4896⅔	4940	4983⅓	5026⅔	5070	5113⅓	5156⅔	5200	**120**
120	5243⅓	5286⅔	5330	5373⅓	5416⅔	5460	5503⅓	5546⅔	5590	5633⅓	**130**
130	5676⅔	5720	5763⅓	5806⅔	5850	5893⅓	5936⅔	5980	6023⅓	6066⅔	**140**
140	6110	6153⅓	6196⅔	6240	6283⅓	6326⅔	6370	6413⅓	6456⅔	6500	**150**
150	6543⅓	6586⅔	6630	6673⅓	6716⅔	6760	6803⅓	6846⅔	6890	6933⅓	**160**
160	6976⅔	7020	7063⅓	7106⅔	7150	7193⅓	7236⅔	7280	7323⅓	7366⅔	**170**
170	7410	7453⅓	7496⅔	7540	7583⅓	7626⅔	7670	7713⅓	7756⅔	7800	**180**
180	7843⅓	7886⅔	7930	7973⅓	8016⅔	8060	8103⅓	8146⅔	8190	8233⅓	**190**
190	8276⅔	8320	8363⅓	8406⅔	8450	8493⅓	8536⅔	8580	8623⅓	8666⅔	**200**
200	8710	8753⅓	8796⅔	8840	8883⅓	8926⅔	8970	9013⅓	9056⅔	9100	**210**
210	9143⅓	9186⅔	9230	9273⅓	9316⅔	9360	9403⅓	9446⅔	9490	9533⅓	**220**
220	9576⅔	9620	9663⅓	9706⅔	9750	9793⅓	9836⅔	9880	9923⅓	9966⅔	**230**
230	10010	10053⅓	10096⅔	10140	10183⅓	10226⅔	10270	10313⅓	10356⅔	10400	**240**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
16 x30	- 1
20 x24	- 1
10 x48	- 1
12 x40	- 1
10 x24	- 2
12 x20	- 2
15 x16	- 2
5 x32	- 3
8 x20	- 3
10 x16	- 3
3 x40	- 4
4 x30	- 4
5 x24	- 4
6 x20	- 4
7½x16	- 4
8 x15	- 4
10 x12	- 4
2 x48	- 5
3 x32	- 5
4 x24	- 5
6 x16	- 5
8 x12	- 5
1 x80	- 6
2 x40	- 6
2½x32	- 6
4 x20	- 6
5 x16	- 6
8 x10	- 6
1 x60	- 8
2 x30	- 8
2½x24	- 8
3 x20	- 8
3¾x16	- 8
4 x15	- 8
5 x12	- 8
6 x10	- 8
7½x 8	- 8
1 x48	-10
1½x32	-10
2 x24	-10
3 x16	-10
6 x 8	-10
20 x26	- 1
10 x26	- 2
13 x20	- 2
5 x26	- 4
10 x13	- 4
8 x13	- 5
5 x13	- 8
2 x26	-10
4 x13	-10
2 x20	-13
4 x10	-13
2 x13	-20

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See Also Page 96.

1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

See Also Page 99, Table 4.

Size	Lth
14 x20	- 2
10 x14	- 4
7 x16	- 5
8 x14	- 5
8 x10	- 7
5 x14	- 8
4 x14	-10
7 x 8	-10
2 x20	-14
4 x10	-14
5 x 8	-14
2½x14	-16
5 x 7	-16
3½x 8	-20
1 x20	-28
2 x10	-28
2½x 8	-28
4 x 5	-28
1 x16	-35
2 x 8	-35
4 x 4	-35
1 x14	-40
2 x 7	-40
2 x25	-12
4 x12½	-12
5 x10	-12
1¼x32	-15
2 x20	-15
2½x16	-15
4 x10	-15
5 x 8	-15
1¼x30	-16
1½x25	-16
2½x15	-16
3 x12½	-16
3¾x10	-16
5 x 7½	-16
1 x30	-20
1¼x24	-20
1½x20	-20
2 x15	-20
2½x12	-20
3 x10	-20
4 x 7½	-20
5 x 6	-20
1¼x20	-24
2½x10	-24
5 x 5	-24
1 x24	-25
2 x12	-25
3 x 8	-25
4 x 6	-25
1 x20	-30
2 x10	-30

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See Also Page 104, Table 1.

2 x 10, 4 x 5, 2½x 8 = 28

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	46⅔	93⅓	140	186⅔	233⅓	280	326⅔	373⅓	420	466⅔	10
10	513⅓	560	606⅔	653⅓	700	746⅔	793⅓	840	886⅔	933⅓	20
20	980	1026⅔	1073⅓	1120	1166⅔	1213⅓	1260	1306⅔	1353⅓	1400	30
30	1446⅔	1493⅓	1540	1586⅔	1633⅓	1680	1726⅔	1773⅓	1820	1866⅔	40
40	1913⅓	1960	2006⅔	2053⅓	2100	2146⅔	2193⅓	2240	2286⅔	2333⅓	50
50	2380	2426⅔	2473⅓	2520	2566⅔	2613⅓	2660	2706⅔	2753⅓	2800	60
60	2846⅔	2893⅓	2940	2986⅔	3033⅓	3080	3126⅔	3173⅓	3220	3266⅔	70
70	3313⅓	3360	3406⅔	3453⅓	3500	3546⅔	3593⅓	3640	3686⅔	3733⅓	80
80	3780	3826⅔	3873⅓	3920	3966⅔	4013⅓	4060	4106⅔	4153⅓	4200	90
90	4246⅔	4293⅓	4340	4386⅔	4433⅓	4480	4526⅔	4573⅓	4620	4666⅔	100
100	4713⅓	4760	4806⅔	4853⅓	4900	4946⅔	4993⅓	5040	5086⅔	5133⅓	110
110	5180	5226⅔	5273⅓	5320	5366⅔	5413⅓	5460	5506⅔	5553⅓	5600	120
120	5646⅔	5693⅓	5740	5786⅔	5833⅓	5880	5926⅔	5973⅓	6020	6066⅔	130
130	6113⅓	6160	6206⅔	6253⅓	6300	6346⅔	6393⅓	6440	6486⅔	6533⅓	140
140	6580	6626⅔	6673⅓	6720	6766⅔	6813⅓	6860	6906⅔	6953⅓	7000	150
150	7046⅔	7093⅓	7140	7186⅔	7233⅓	7280	7326⅔	7373⅓	7420	7466⅔	160
160	7513⅓	7560	7606⅔	7653⅓	7700	7746⅔	7793⅓	7840	7886⅔	7933⅓	170
170	7980	8026⅔	8073⅓	8120	8166⅔	8213⅓	8260	8306⅔	8353⅓	8400	180
180	8446⅔	8493⅓	8540	8586⅔	8633⅓	8680	8726⅔	8773⅓	8820	8866⅔	190
190	8913⅓	8960	9006⅔	9053⅓	9100	9146⅔	9193⅓	9240	9286⅔	9333⅓	200
200	9380	9426⅔	9473⅓	9520	9566⅔	9613⅓	9660	9706⅔	9753⅓	9800	210
210	9846⅔	9893⅓	9940	9986⅔	10033⅓	10080	10126⅔	10173⅓	10220	10266⅔	220

2 x 10, 4 x 5, 2½x 8 = 30

	50	100	150	200	250	300	350	400	450	500	10
10	550	600	650	700	750	800	850	900	950	1000	20
20	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	30
30	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	40
40	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	50
50	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	60
60	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	70
70	3550	3600	3650	3700	3750	3800	3850	3900	3950	4000	80
80	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	90
90	4550	4600	4650	4700	4750	4800	4850	4900	4950	5000	100
100	5050	5100	5150	5200	5250	5300	5350	5400	5450	5500	110
110	5550	5600	5650	5700	5750	5800	5850	5900	5950	6000	120
120	6050	6100	6150	6200	6250	6300	6350	6400	6450	6500	130
130	6550	6600	6650	6700	6750	6800	6850	6900	6950	7000	140
140	7050	7100	7150	7200	7250	7300	7350	7400	7450	7500	150
150	7550	7600	7650	7700	7750	7800	7850	7900	7950	8000	160
160	8050	8100	8150	8200	8250	8300	8350	8400	8450	8500	170
170	8550	8600	8650	8700	8750	8800	8850	8900	8950	9000	180
180	9050	9100	9150	9200	9250	9300	9350	9400	9450	9500	190
190	9550	9600	9650	9700	9750	9800	9850	9900	9950	10000	200

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

See Also Page 39, Table No. 1.

For Other Sizes and Lengths See

1/2 X 21/10 = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	10½	21	31½	42	52½	63	73½	84	94½	105	**10**
10	115½	126	136½	147	157½	168	178½	189	199½	210	**20**
20	220½	231	241½	252	262½	273	283½	294	304½	315	**30**
30	325½	336	346½	357	367½	378	388½	399	409½	420	**40**
40	430½	441	451½	462	472½	483	493½	504	514½	525	**50**
50	535½	546	556½	567	577½	588	598½	609	619½	630	**60**
60	640½	651	661½	672	682½	693	703½	714	724½	735	**70**
70	745½	756	766½	777	787½	798	808½	819	829½	840	**80**
80	850½	861	871½	882	892½	903	913½	924	934½	945	**90**
90	955½	966	976½	987	997½	1008	1018½	1029	1039½	1050	**100**

1/2 X 21/10½ = 8

	14	28	42	56	70	84	98	112	126	140	**10**
10	154	168	182	196	210	224	238	252	266	280	**20**
20	294	308	322	336	350	364	378	392	406	420	**30**
30	434	448	462	476	490	504	518	532	546	560	**40**
40	574	588	602	616	630	644	658	672	686	700	**50**
50	714	728	742	756	770	784	798	812	826	840	**60**
60	854	668	882	896	910	924	938	952	966	980	**70**
70	994	1008	1022	1036	1050	1064	1078	1092	1106	1120	**80**
80	1134	1148	1162	1176	1190	1204	1218	1232	1246	1260	**90**
90	1274	1288	1302	1316	1330	1344	1358	1372	1386	1400	**100**

1/2 X 21/10½ = 10

	17½	35	52½	70	87½	105	122½	140	157½	175	**10**
10	192½	210	227½	245	262½	280	297½	315	332½	350	**20**
20	367½	385	402½	420	437½	455	472½	490	507½	525	**30**
30	542½	560	577½	595	612½	630	647½	665	682½	700	**40**
40	717½	735	752½	770	787½	805	822½	840	857½	875	**50**
50	892½	910	927½	945	962½	980	997½	1015	1032½	1050	**60**
60	1067½	1085	1102½	1120	1137½	1155	1172½	1190	1207½	1225	**70**
70	1242½	1260	1277½	1295	1312½	1330	1347½	1365	1382½	1400	**80**
80	1417½	1435	1452½	1470	1487½	1505	1522½	1540	1557½	1575	**90**
90	1592½	1610	1627½	1645	1662½	1680	1697½	1715	1732½	1750	**100**

1/2 X 21/10½ = 12

	21	42	63	84	105	126	147	168	189	210	**10**
10	231	252	273	294	315	336	357	378	399	420	**20**
20	441	462	483	504	525	546	567	588	609	630	**30**
30	651	672	693	714	735	756	777	798	819	840	**40**
40	861	882	903	924	945	966	987	1008	1029	1050	**50**
50	1071	1092	1113	1134	1155	1176	1197	1218	1239	1260	**60**
60	1281	1302	1323	1344	1365	1386	1407	1428	1449	1470	**70**
70	1491	1512	1533	1554	1575	1596	1617	1638	1659	1680	**80**
80	1701	1722	1743	1764	1785	1806	1827	1848	1869	1890	**90**
90	1911	1932	1953	1974	1995	2016	2037	2058	2079	2100	**100**

†For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4 See pages 123 to 200 for other sizes above tables give answers for

Size Lth

¾x 8 - 9
½x 4 - 9
x10½-12
½x 7 -12
¾x 6 -12
x 5¼-12
x 3½-12
x 9 -14
½x 6 -14
x 4½-14
¼x 4 -14
½x 5¼-16
¾x 4½-16
¼x 3½-16
x 7 -18
¾x 4 -18
x 3½-18
x 6 -21
x 3 -21

x14 - 1
x14 - 2
x14 - 3
x 8 - 3
x10½- 4
¼x 8 - 4
x 7 - 4
x 7 - 6
x 8 - 7
x 6 - 7
x10½- 8
x 7 - 8
½x 6 - 8
x 5¼ - 8
x 4 -14
x 3½-16
x 4 -21
x 3 -28

x 7 -10
x 5¼-10
½x 7 -12
x 7½-14
½x 6 -14
x 5 -14
x14 -15
x 7 -15
¼x10½-16
½x 8¾-16
¾x 7½-16
x10½-20
½x 7 -20
x 5¼-20
x 3½-20
x10½-20
x 5¼-21
x 6 -35

x 7 -12
½x 6 -12
x 5¼-12
x18 -14
½x12 -14
¼x 8 -14
x 6 -14
¾x 9 -16
½x10½-16
x 5¼-16
x14 -18
¾x 8 -18
x 7 -18
½x14 -18
x12 -21
x 6 -21
x 4 -21
x 9 -28
x 4½-28
x 3 -28
x 6 -42
x 3 -42

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1x21
1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

1 x 21 / 2 x 10½ = 14

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	24½	49	73½	98	122½	147	171½	196	220½	245	**10**
10	269½	294	318½	343	367½	392	416½	441	465½	490	**20**
20	514½	539	563½	588	612½	637	661½	686	710½	735	**30**
30	759½	784	808½	833	857½	882	906½	931	955½	980	**40**
40	1004½	1029	1053½	1078	1102½	1127	1151½	1176	1200½	1225	**50**
50	1249½	1274	1298½	1323	1347½	1372	1396½	1421	1455½	1470	**60**
60	1494½	1519	1543½	1568	1592½	1617	1641½	1666	1690½	1715	**70**
70	1739½	1764	1788½	1813	1837½	1862	1886½	1911	1935½	1960	**80**
80	1984½	2009	2033½	2058	2082½	2107	2131½	2156	2180½	2205	**90**
90	2229½	2254	2278½	2303	2327½	2352	2376½	2401	2425½	2450	**100**

1 x 21 / 2 x 10½ = 16

	28	56	84	112	140	168	196	224	252	230	**10**
10	308	336	364	392	420	448	476	504	532	560	**20**
20	588	616	644	672	700	728	756	784	812	840	**30**
30	868	896	924	952	980	1008	1036	1064	1092	1120	**40**
40	1148	1176	1204	1232	1260	1288	1316	1344	1372	1400	**50**
50	1428	1456	1484	1512	1540	1568	1596	1624	1652	1680	**60**
60	1708	1736	1764	1792	1820	1848	1876	1904	1932	1960	**70**
70	1988	2016	2044	2072	2100	2128	2156	2184	2212	2240	**80**
80	2268	2296	2324	2352	2380	2408	2436	2464	2492	2520	**90**
90	2548	2576	2604	2632	2660	2688	2716	2744	2772	2800	**100**

1 x 21 / 2 x 10½ = 18

	31½	63	94½	126	157½	189	220½	252	283½	315	**10**
10	346½	378	409½	441	472½	504	535½	567	598½	630	**20**
20	661½	693	724½	756	787½	819	850½	882	913½	945	**30**
30	976½	1008	1039½	1071	1102½	1134	1165½	1197	1228½	1260	**40**
40	1291½	1323	1354½	1386	1417½	1449	1480½	1512	1543½	1575	**50**
50	1606½	1638	1669½	1701	1732½	1764	1795½	1827	1858½	1890	**60**
60	1921½	1953	1984½	2016	2047½	2079	2110½	2142	2173½	2205	**70**
70	2236½	2268	2299½	2331	2362½	2394	2425½	2457	2488½	2520	**80**
80	2551½	2583	2614½	2646	2677½	2709	2740½	2772	2803½	2835	**90**
90	2866½	2898	2929½	2961	2992½	3024	3055½	3087	3118½	3150	**100**

1 x 21 / 2 x 10½ = 20

	35	70	105	140	175	210	245	280	315	350	**10**
10	385	420	455	490	525	560	595	630	665	700	**20**
20	735	770	805	840	875	910	945	980	1015	1050	**30**
30	1085	1120	1155	1190	1225	1260	1295	1330	1365	1400	**40**
40	1435	1470	1505	1540	1575	1610	1645	1680	1715	1750	**50**
50	1785	1820	1855	1890	1925	1960	1995	2030	2065	2100	**60**
60	2135	2170	2205	2240	2275	2310	2345	2380	2415	2450	**70**
70	2485	2520	2555	2590	2625	2660	2695	2730	2765	2800	**80**
80	2835	2870	2905	2940	2975	3010	3045	3080	3115	3150	**90**
90	3185	3220	3255	3290	3325	3360	3395	3430	3465	3500	**100**

How to Work Combination of Sizes with Ease and Rapidity.

Suppose you wish to find number of feet in 50 pi ces 2x10½=9 feet. Take one half the number of pieces in 18 feet, which would be 25 pieces 2x10½=18 feet. See table above for 1x21 or 2x10½=18 and you find 25 pieces contains 787½ feet, the correct number of feet in 50 pieces 2x10½=9 feet. See pages 2, 3, 4 and 5 for further explanations.

Size	Lth
7 x42	1
14 x21	1
3½x42	2
5¼x28	2
6 x24½	2
7 x21	2
10½x14	2
12 x12¼	2
3½x28	3
4 x24½	3
8 x12¼	3
3½x21	4
5¼x14	4
6 x12¼	3
7 x10½	4
1¾x28	6
3½x14	6
4 x12¼	6
7 x 7	6
1 x42	7
2 x21	7
3 x14	7
12 x28	1
14 x24	1
16 x21	1
12 x14	2
6 x28	2
7 x16	3
4 x28	
6 x14	4
7 x12	4
7 x 8	6
4 x14	6
6 x 8	7
3 x16	
3 x14	8
6 x 7	8
4 x 7	12
2 x14	12
14 x27	1
7 x27	2
7 x18	3
7 x 9	6
2 x27	7
3 x14	9
6 x 7	9
1 x27	14
2 x13½	14
3 x 9	14
3 x 7	18
1 x18	21
2 x 9	21
3 x 6	21
1 x14	27
2 x 7	27
14 x30	1
20 x21	1
5 x42	2
10 x21	2
5 x28	3
2½x42	4
5 x21	4
3 x28	5
6 x14	5
5 x14	6
2 x30	7
3 x20	7
4 x15	7
5 x12	7
6 x10	7
2 x21	10
1¼x24	14
2½x12	14
1 x28	15
2 x14	15
4 x 7	15
1¼x16	21
2½x 8	21
4 x 5	21

For Complete Table See Page 93

Size	Lth
5½x24	- 1
6 x22	- 1
11 x12	- 1
3 x22	- 2
2¾x24	- 2
5½x12	- 2
6 x11	- 2
8 x 8¼	- 2
2 x22	- 3
2¾x16	- 3
4 x11	- 3
5½x 8	- 3
1½x22	- 4
2¾x12	- 4
3 x11	- 4
4 x 8¼	- 4
5½x 6	- 4
1 x22	- 6
2 x11	- 6
2¾x 8	- 6
4 x 5½	- 6
1 x16½	- 8
1½x11	- 8

See Page 46 Table 4 for Other Sizes.

1 X 22 / 2 X 11 = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	11	22	33	44	55	66	77	88	99	110	**10**
10	121	132	143	154	165	176	187	198	209	220	**20**
20	231	242	253	264	275	286	297	308	319	330	**30**
30	341	352	363	374	385	396	407	418	429	440	**40**
40	451	462	473	484	495	506	517	528	539	550	**50**
50	561	572	583	594	605	616	627	638	649	660	**60**
60	671	682	693	704	715	726	737	748	759	770	**70**
70	781	792	803	814	825	836	847	858	869	880	**80**
80	891	902	913	924	935	946	957	968	979	990	**90**
90	1001	1012	1023	1034	1045	1056	1067	1078	1089	1100	**100**

Size	Lth
8 x22	- 1
11 x16	- 1
4 x22	- 2
8 x11	- 2
1 x44	- 4
2 x22	- 4
4 x11	- 4
1 x22	- 8
2 x11	- 8
1 x16	-11
2 x 8	-11
4 x 4	-11
1 x11	-16
2 x 5½	-16
2¾x 4	-16
1 x 8	-22
2 x 4	-22
1 x 4	-44

1 X 22 / 2 X 11 = 8

	14⅔	29⅓	44	58⅔	73⅓	88	102⅔	117⅓	132	146⅔	**10**
10	161⅓	176	190⅔	205⅓	220	234⅔	249⅓	264	278⅔	293⅓	**20**
20	308	322⅔	337⅓	352	366⅔	381⅓	396	410⅔	425⅓	440	**30**
30	454⅔	469⅓	484	498⅔	513⅓	528	542⅔	557⅓	572	586⅔	**40**
40	601⅓	616	630⅔	645⅓	660	674⅔	689⅓	704	718⅔	733⅓	**50**
50	748	762⅔	777⅓	792	806⅔	821⅓	836	850⅔	865⅓	880	**60**
60	894⅔	909⅓	924	938⅔	953⅓	968	982⅔	997⅓	1012	1026⅔	**70**
70	1041⅓	1056	1070⅔	1085⅓	1100	1114⅔	1129⅓	1144	1158⅔	1173⅓	**80**
80	1188	1202⅔	1217⅓	1232	1246⅔	1261⅓	1276	1290⅔	1305⅓	1320	**90**
90	1334⅔	1349⅓	1364	1378⅔	1393⅓	1408	1422⅔	1437⅓	1452	1466⅔	**100**

Size	Lth
1 x20	-11
2 x10	-11
2½x 8	-11
4 x 5	-11
1 x13¾	-16
1¼x11	-16
2½x 5½	-16
2¾x 5	-16
¼x44	-20
½x22	-20
1 x11	-20
2 x 5½	-20
2¾x 4	-20
¼x40	-22
½x20	-22
1 x10	-22
2 x 5	-22
2½x 4	-22

For Other Sizes and Lengths, See Page 47, Table No. 4.

1 X 22 / 2 X 11 = 10

	18⅓	36⅔	55	73⅓	91⅔	110	128⅓	146⅔	165	183⅓	**10**
10	201⅔	220	238⅓	256⅔	275	293⅓	311⅔	330	348⅓	366⅔	**20**
20	385	403⅓	421⅔	440	458⅓	476⅔	495	513⅓	531⅔	550	**30**
30	568⅓	586⅔	605	623⅓	641⅔	660	678⅓	696⅔	715	733⅓	**40**
40	751⅔	770	788⅓	806⅔	825	843⅓	861⅔	880	898⅓	916⅔	**50**
50	935	953⅓	971⅔	990	1008⅓	1026⅔	1045	1063⅓	1081⅔	1100	**60**
60	1118⅓	1136⅔	1155	1173⅓	1191⅔	1210	1228⅓	1246⅔	1265	1283⅓	**70**
70	1301⅔	1320	1338⅓	1356⅔	1375	1393⅓	1411⅔	1430	1448⅓	1466⅔	**80**
80	1485	1503⅓	1521⅔	1540	1558⅓	1576⅔	1595	1613⅓	1631⅔	1650	**90**
90	1668⅓	1686⅔	1705	1723⅓	1741⅔	1760	1778⅓	1796⅔	1815	1833⅓	**100**

Size	Lth
5½x48	- 1
11 x24	- 1
12 x22	- 1
3 x44	- 2
5½x24	- 2
6 x22	- 2
2 x44	- 3
4 x22	- 3
5½x16	- 3
8 x11	- 3
1½x44	- 4
3 x22	- 4
4 x16½	- 4
5½x12	- 4
8 x 8¼	- 4
½x88	- 6
1 x44	- 6
2 x22	- 6
4 x11	- 6
5½x 8	- 6
½x66	- 8
1 x33	- 8
1½x22	- 8

For Complete Table, See Page 54.

1 X 22 / 2 X 11 = 12

	22	44	66	88	110	132	154	176	198	220	**10**
10	242	264	286	308	330	352	374	396	418	440	**20**
20	462	484	506	528	550	572	594	616	638	660	**30**
30	682	704	726	748	770	792	814	836	858	880	**40**
40	902	924	946	968	990	1012	1034	1056	1078	1100	**50**
50	1122	1144	1166	1188	1210	1232	1254	1276	1298	1320	**60**
60	1342	1364	1386	1408	1430	1452	1474	1496	1518	1540	**70**
70	1562	1584	1606	1628	1650	1672	1694	1716	1738	1760	**80**
80	1782	1804	1826	1848	1870	1892	1914	1936	1958	1980	**90**
90	2002	2024	2046	2068	2090	2112	2134	2156	2178	2200	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

1x22
1x23
2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

½ X 22/11 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	25⅜	51⅛	77	102⅜	128⅛	154	179⅜	205⅛	231	256⅜	10
10	282⅛	308	333⅜	359⅛	385	410⅜	436⅛	462	487⅜	513⅛	20
20	539	564⅜	590⅛	616	641⅜	667⅛	693	718⅜	744⅛	770	30
30	795⅜	821⅛	847	872⅜	898⅛	924	949⅜	975⅛	1001	1026⅜	40
40	1052⅛	1078	1103⅜	1129⅛	1155	1180⅜	1206⅛	1232	1257⅜	1283⅛	50
50	1309	1334⅜	1360⅛	1386	1411⅜	1437⅛	1463	1488⅜	1514⅛	1540	60
60	1565⅜	1591⅛	1617	1642⅜	1668⅛	1694	1719⅜	1745⅛	1771	1796⅜	70
70	1822⅛	1848	1873⅜	1899⅛	1925	1950⅜	1976⅛	2002	2027⅜	2053⅛	80
80	2079	2104⅜	2130⅛	2156	2181⅜	2207⅛	2233	2258⅜	2284⅛	2310	90
90	2335⅜	2361⅛	2387	2412⅜	2438⅛	2464	2489⅜	2515⅛	2541	2566⅜	100

Size Lth

11 x28 - 1
14 x22 - 1
11 x14 - 2
7 x11 - 4
2 x22 - 7
4 x11 - 7
1¾x22 - 8
2¾x14 - 8
1 x28 -11
2 x14 -11
1 x22 -14
2 x11 -14
2¾x 8 -14
4 x 5½-14
1¾x11 -16
2¾x 7 -16
½x28 -22
1x14 -22
2 x 7 -22

½ X 22/11 = 16

	29⅛	58⅜	88	117⅛	146⅜	176	205⅛	234⅜	264	293⅛	10
10	322⅜	352	381⅛	410⅜	440	469⅛	498⅜	528	557⅛	586⅜	20
20	616	645⅛	674⅜	704	733⅛	762⅜	792	821⅛	850⅜	880	30
30	909⅛	938⅜	968	997⅛	1026⅜	1056	1085⅛	1114⅜	1144	1173⅛	40
40	1202⅜	1232	1261⅛	1290⅜	1320	1349⅛	1378⅜	1408	1437⅛	1466⅜	50
50	1496	1525⅛	1554⅜	1584	1613⅛	1642⅜	1672	1701⅛	1730⅜	1760	60
60	1789⅛	1818⅜	1848	1877⅛	1906⅜	1936	1965⅛	1994⅜	2024	2053⅛	70
70	2082⅜	2112	2141⅛	2170⅜	2200	2229⅛	2258⅜	2288	2317⅛	2346⅜	80
80	2376	2405⅛	2434⅜	2464	2493⅛	2522⅜	2552	2581⅛	2610⅜	2640	90
90	2669⅛	2698⅜	2728	2757⅛	2786⅜	2816	2845⅛	2874⅜	2904	2933⅛	100

8 x44 - 1
11 x32 - 1
16 x22 - 1
4 x44 - 1
8 x22 - 1
11 x16 - 1
2 x44 - 1
4 x22 - 1
8 x11 - 1
½x88 - 1
1 x44 - 2
2 x22 - 2
2¾ -16 - 2
4 x11 - 2
5½x 8 - 2
½x64 -11
1 x32 -11
2 x16 -11

For Complete Table, See Page 66.

½ X 22/11 = 18

	33	66	99	132	165	198	231	264	297	330	10
10	363	396	429	462	495	528	561	594	627	660	20
20	693	726	759	792	825	858	891	924	957	990	30
30	1023	1056	1089	1122	1155	1188	1221	1254	1287	1320	40
40	1353	1386	1419	1452	1485	1518	1551	1584	1617	1650	50
50	1683	1716	1749	1782	1815	1848	1881	1914	1947	1980	60
60	2013	2046	2079	2112	2145	2178	2211	2244	2277	2310	70
70	2343	2376	2409	2442	2475	2508	2541	2574	2607	2640	80
80	2673	2706	2739	2772	2805	2838	2871	2904	2937	2970	90
90	3003	3036	3069	3102	3135	3168	3201	3234	3267	3300	100

18 x22 - 1
6 x22 - 3
11 x12 - 3
6 x11 - 6
3 x22 - 6
4 x11 - 9
1 x36 -11
2 x18 -11
3 x12 -11
4 x 9 -11
6 x 6 -11
1 x22 -18
2 x11 -18
1 x18 -22
2 x 9 -22
1 x12 -33
2 x 6 -33

½ X 22/11 = 20

	36⅜	73⅛	110	146⅜	183⅛	220	256⅜	293⅛	330	366⅜	10
10	403⅛	440	476⅜	513⅛	550	586⅜	623⅛	660	696⅜	733⅛	20
20	770	806⅜	843⅛	880	916⅜	953⅛	990	1026⅜	1063⅛	1100	30
30	1136⅜	1173⅛	1210	1246⅜	1283⅛	1320	1356⅜	1393⅛	1430	1466⅜	40
40	1503⅛	1540	1576⅜	1613⅛	1650	1686⅜	1723⅛	1760	1796⅜	1833⅛	50
50	1870	1906⅜	1943⅛	1980	2016⅜	2053⅛	2090	2126⅜	2163⅛	2200	60
60	2236⅜	2273⅛	2310	2346⅜	2383⅛	2420	2456⅜	2493⅛	2530	2566⅜	70
70	2603⅛	2640	2676⅜	2713⅛	2750	2786⅜	2823⅛	2860	2896⅜	2933⅛	80
80	2970	3006⅜	3043⅛	3080	3116⅜	3153⅛	3190	3226⅜	3263⅛	3300	90
90	3336⅜	3373⅛	3410	3446⅜	3483⅛	3520	3556⅜	3593⅛	3630	3666⅜	100

5 x44 - 2
5½x40 - 2
10 x22 - 2
11 x20 - 2
2 x55 - 4
2½x44 - 4
4 x27½ - 4
5 x22 - 4
8 x13¾ - 4
10 x11 - 4
2 x44 - 5
4 x22 - 5
8 x11 - 5
1 x55 - 8
2 x27½ - 8
2¾x20 - 8
4 x13¾ - 8
5 x11 - 8
5½x10 - 8
1 x44 -10
2 x22 -10
4 x11 -10
5½x 8 -10

For Complete Table, See Page 82.

See explanations pages 3, 4 and 5.

Size — Lth

5¾x21 - 1
11½x12 - 1
3 x23 - 2
5¾x12 - 2
6 x11½ - 2
3 x23 - 2
4 x11½ - 3
5¾x 8 - 3
3 x11½ - 4
½x46 - 6
1 x23 - 6
2 x11½ - 6
4 x 5¾ - 6
1½x11½ - 8
3 x 5¾ - 8
1 x11½ - 12
2 x 5¾ - 12
1½x 5¾ - 16
½x12 - 23
1 x 6 - 23
2 x 3 - 23
1½x 4 - 23

1 X 23 / 2 X 11½ = 6

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	11½	23	34½	46	57½	69	80½	92	103½	115	10
10	126½	138	149½	161	172½	184	195½	207	218½	230	20
20	241½	253	264½	276	287½	299	310½	322	333½	345	30
30	356½	368	379½	391	402½	414	425½	437	448½	460	40
40	471½	483	494½	506	517½	529	540½	552	563½	575	50
50	586½	598	609½	621	632½	644	655½	667	678½	690	60
60	701½	713	724½	736	747½	759	770½	782	793½	805	70
70	816½	828	839½	851	862½	874	885½	897	908½	920	80
80	931½	943	954½	966	977½	989	1000½	1012	1023½	1035	90
90	1046½	1058	1069½	1081	1092½	1104	1115½	1127	1138½	1150	100

8 x23 - 1
4 x23 - 2
8 x11½ - 2
2 x23 - 4
4 x11½ - 4
5¾x 8 - 4
½x46 - 8
1 x23 - 8
2 x11½ - 8
½x23 - 16
1 x11½ - 16
2 x 5¾ - 16
¼x32 - 23
½x16 - 23
1 x 8 - 23
2 x 4 - 23
½x 8 - 46
1 x 4 - 46

1 X 23 / 2 X 11½ = 8

	15⅓	30⅔	46	61⅓	76⅔	92	107⅓	122⅔	138	153⅓	10
10	168⅔	184	199⅓	214⅔	230	245⅓	260⅔	276	291⅓	306⅔	20
20	322	337⅓	352⅔	368	383⅓	398⅔	414	429⅓	444⅔	460	30
30	475⅓	490⅔	506	521⅓	536⅔	552	567⅓	582⅔	598	613⅓	40
40	628⅔	644	659⅓	674⅔	690	705⅓	720⅔	736	751⅓	766⅔	50
50	782	797⅓	812⅔	828	843⅓	858⅔	874	889⅓	904⅔	920	60
60	935⅓	950⅔	966	981⅓	996⅔	1012	1027⅓	1042⅔	1058	1073⅓	70
70	1088⅔	1104	1119⅓	1134⅔	1150	1165⅓	1180⅔	1196	1211⅓	1226⅔	80
80	1242	1257⅓	1272⅔	1288	1303⅓	1318⅔	1334	1349⅓	1364⅔	1380	90
90	1395⅓	1410⅔	1426	1441⅓	1456⅔	1472	1487⅓	1502⅔	1518	1533⅓	100

5 x11½ - 1
10 x23 - 1
5 x23 - 2
10 x11½ - 2
2½x23 - 4
5¾x10 - 4
5 x11½ - 4
4 x11½ - 5
1¼x23 - 8
2½x11½ - 8
5 x 5¾ - 8
1 x23 - 10
2 x11½ - 10
1¼x11½ - 16
1 x11½ - 20
2 x 5¾ - 20
½x20 - 23
1 x10 - 23

1 X 23 / 2 X 11½ = 10

	19⅙	38⅓	57½	76⅔	95⅚	115	134⅙	153⅓	172½	191⅔	10
10	210⅚	230	249⅙	268⅓	287½	306⅔	325⅚	345	364⅙	383⅓	20
20	402½	421⅔	440⅚	460	479⅙	498⅓	517½	536⅔	555⅚	575	30
30	594⅙	613⅓	632½	651⅔	670⅚	690	709⅙	728⅓	747½	766⅔	40
40	785⅚	805	824⅙	843⅓	862½	881⅔	900⅚	920	939⅙	958⅓	50
50	977½	996⅔	1015⅚	1035	1054⅙	1073⅓	1092½	1111⅔	1130⅚	1150	60
60	1169⅙	1188⅓	1207½	1226⅔	1245⅚	1265	1284⅙	1303⅓	1322½	1341⅔	70
70	1360⅚	1380	1399⅙	1418⅓	1437½	1456⅔	1475⅚	1495	1514⅙	1533⅓	80
80	1552½	1571⅔	1590⅚	1610	1629⅙	1643⅓	1667½	1686⅔	1705⅚	1725	90
90	1744⅙	1763⅓	1782½	1801⅔	1820⅚	1840	1859⅙	1878⅓	1897½	1916⅔	100

11½x21 - 1
12 x23 - 1
3 x46 - 2
6 x23 - 2
4 x23 - 3
3 x23 - 4
5¾x12 - 4
6 x11½ - 4
3 x11½ - 8
1½x23 - 8
1 x23 - 12
2 x11½ - 12
3 x 5¾ - 16
1½x11½ - 16
1 x12 - 23
2 x 6 - 23
3 x 4 - 23
1 x 6 - 46
2 x 3 - 46

1 X 23 / 2 X 11½ = 12

	23	46	69	92	115	138	161	184	207	230	10
10	253	276	299	322	345	368	391	414	437	460	20
20	483	506	529	552	575	598	621	644	667	690	30
30	713	736	759	782	805	828	851	874	897	920	40
40	943	966	989	1012	1035	1058	1081	1104	1127	1150	50
50	1173	1196	1219	1242	1265	1288	1311	1334	1357	1380	60
60	1403	1426	1449	1472	1495	1518	1541	1564	1587	1610	70
70	1633	1656	1679	1702	1725	1748	1771	1794	1817	1840	80
80	1863	1886	1909	1932	1955	1978	2001	2024	2047	2070	90
90	2093	2116	2139	2162	2185	2208	2231	2254	2277	2300	100

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔ annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

1x23 2x12 2x14 2½x14 3x10 Shingles. 3x12 6x6

Size	Lth

1 X 23 / 2 X 11½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	26⅚	53⅔	80½	107⅓	134⅙	161	187⅚	214⅔	241½	268⅓	10
10	295⅙	322	348⅚	375⅔	402½	429⅓	456⅙	483	509⅚	536⅔	20
20	563½	590⅓	617⅙	644	670⅚	697⅔	724½	751⅓	778⅙	805	30
30	831⅚	858⅔	885½	912⅓	939⅙	966	992⅚	1019⅔	1046½	1073⅓	40
40	1100⅙	1127	1153⅚	1180⅔	1207½	1234⅓	1261⅙	1288	1314⅚	1341⅔	50
50	1368½	1395⅓	1422⅙	1449	1475⅚	1502⅔	1529½	1556⅓	1583⅙	1610	60
60	1636⅚	1663⅔	1690½	1717⅓	1744⅙	1771	1797⅚	1824⅔	1851½	1878⅓	70
70	1905⅙	1932	1958⅚	1985⅔	2012½	2039⅓	2066⅙	2093	2119⅚	2146⅔	80
80	2173½	2200⅓	2227⅙	2254	2280⅚	2307⅔	2334½	2361⅓	2388⅙	2415	90
90	2441⅚	2468⅔	2495½	2522⅓	2549⅙	2576	2602⅚	2629⅔	2656½	2683⅓	100

Size	Lth
7 x46	- 1
14 x23	- 1
3½x46	- 2
7 x23	- 2
5¾x14	- 4
7 x11½	- 4
1 x46	- 7
2 x23	- 7
4 x11½	- 7
1¾x23	- 8
3½x11½	- 8
½x46	-14
1 x23	-14
2 x11½	-14
4 x 5¾	-14
1¾x11½	-16
3½x 5¾	-16
½x28	-23
1 x14	-23
2 x 7	-23

1 X 23 / 2 X 11½ = 16

	30⅔	61⅓	92	122⅔	153⅓	184	214⅔	245⅓	276	306⅔	10
10	337⅓	368	398⅔	429⅓	460	490⅔	521⅓	552	582⅔	613⅓	20
20	444	674⅔	705⅓	736	766⅔	797⅓	828	858⅔	889⅓	920	30
30	950⅔	981⅓	1012	1042⅔	1073⅓	1104	1134⅔	1165⅓	1196	1226⅔	40
40	1257⅓	1288	1318⅔	1349⅓	1380	1410⅔	1441⅓	1472	1502⅔	1533⅓	50
50	1564	1594⅔	1625⅓	1656	1686⅔	1717⅓	1748	1778⅔	1809⅓	1840	60
60	1870⅔	1901⅓	1932	1962⅔	1993⅓	2024	2054⅔	2085⅓	2116	2146⅔	70
70	2177⅓	2208	2238⅔	2269⅓	2300	2330⅔	2361⅓	2392	2422⅔	2453⅓	80
80	2484	2514⅔	2545⅓	2576	2606⅔	2637⅓	2668	2698⅔	2729⅓	2760	90
90	2790⅔	2821⅓	2852	2882⅔	2913⅓	2944	2974⅔	3005⅓	3036	3066⅔	100

4 x46	- 2
8 x23	- 2
4 x23	- 4
5¾x16	- 4
8 x11½	- 4
1 x46	- 8
2 x23	- 8
4 x11½	- 8
½x46	-16
1 x23	-16
2 x11½	-16
4 x 5¾	-16
1 x16	-23
2 x 8	-23
4 x 4	-23

1 X 23 / 2 X 11½ = 18

	34½	69	103½	138	172½	207	241½	276	310½	345	10
10	379½	414	448½	483	517½	552	586½	621	655½	690	20
20	724½	759	793½	828	862½	897	931½	966	1000½	1035	30
30	1069½	1104	1138½	1173	1207½	1242	1276½	1311	1345½	1380	40
40	1414½	1449	1483½	1518	1552½	1587	1621½	1656	1690½	1725	50
50	1759½	1794	1828½	1863	1897½	1932	1966½	2001	2035½	2070	60
60	2104½	2139	2173½	2208	2242½	2277	2311½	2346	2380½	2415	70
70	2449½	2484	2518½	2553	2587½	2622	2656½	2691	2725½	2760	80
80	2794½	2829	2863½	2898	2932½	2967	3001½	3036	3070½	3105	90
90	3139½	3174	3208½	3243	3277½	3312	3346½	3381	3415½	3450	100

18 x23	- 1
9 x23	- 2
6 x23	- 3
9 x11½	- 4
3 x23	- 6
6 x11½	- 6
5¾x 9	- 8
2 x23	- 9
4 x11½	- 9
1½x23	-12
3 x11½	-12
1 x23	-18
2 x11½	-18
1 x18	-23
2 x 9	-23
3 x 6	-23
4 x 4½	-23

1 X 23 / 2 X 11½ = 20

	38⅓	76⅔	115	153⅓	191⅔	230	268⅓	306⅔	345	383⅓	10
10	421⅔	460	498⅓	536⅔	575	613⅓	651⅔	690	728⅓	766⅔	20
20	805	843⅓	881⅔	920	958⅓	996⅔	1035	1073⅓	1111⅔	1150	30
30	1188⅓	1226⅔	1265	1303⅓	1341⅔	1380	1418⅓	1456⅔	1495	1533⅓	40
40	1571⅔	1610	1648⅓	1686⅔	1725	1763⅓	1801⅔	1840	1878⅓	1916⅔	50
50	1955	1993⅓	2031⅔	2070	2108⅓	2146⅔	2185	2223⅓	2261⅔	2300	60
60	2338⅓	2376⅔	2415	2453⅓	2491⅔	2530	2568⅓	2606⅔	2645	2683⅓	70
70	2721⅔	2760	2798⅓	2836⅔	2875	2913⅓	2951⅔	2990	3028⅓	3066⅔	80
80	3105	3143⅓	3181⅔	3220	3258⅓	3296⅔	3335	3373⅓	3411⅔	3450	90
90	3488⅓	3526⅔	3565	3603⅓	3641⅔	3680	3718⅓	3756⅔	3795	3833⅓	100

20 x23	- 1
10 x23	- 2
5 x23	- 4
4 x23	- 5
5 x11½	- 8
5¾x10	- 8
4 x11½	-10
1¼x23	-16
2½x11½	-16
5 x 5¾	-16
1 x23	-20
2 x11½	-20
4 x 5¾	-20
1 x20	-23
2 x10	-23
2½x 8	-23
1 x10	-46
2 x 5	-46

Do you know that it makes no difference if the number of pieces you wish to find for are greater than number given in tables. If you wish to find for 730 pieces, take lower multiple of 730 which is 73. 690, lower multiple would be 69, etc., etc. See explanations pages 2, 3 and 4.

Size	Lth
1 x96	- 1
2 x48	- 1
4 x24	- 1
6 x16	- 1
8 x12	- 1
½x96	- 2
1 x48	- 2
1½x32	- 2
2 x24	- 2
3 x16	- 2
4 x12	- 2
6 x 8	- 2
½x64	- 3
1 x32	- 3
2 x16	- 3
4 x 8	- 3
¼x96	- 4
½x48	- 4
1 x24	- 4
1½x16	- 4
2 x12	- 4
3 x 8	- 4
4 x 6	- 4

For Complete Table, See Pages 26 and 33.

Size	Lth
3 x48	- 1
6 x24	- 1
8 x18	- 1
9 x16	- 1
12 x12	- 1
2 x36	- 2
2¼x32	- 2
3 x24	- 2
4½x16	- 2
4 x18	- 2
6 x12	- 2
8 x 9	- 2
½x96	- 3
1 x48	- 3
1½x32	- 3
2 x24	- 3
3 x16	- 3
4 x12	- 3
6 x 8	- 3

For Complete Table, See Pages 36 and 49.

Size	Lth
4 x48	- 1
8 x24	- 1
12 x16	- 1
1 x96	- 2
2 x48	- 2
4 x24	- 2
8 x12	- 2
6 x16	- 2
1 x64	- 3
2 x32	- 3
4 x16	- 3
8 x 8	- 3
½x96	- 4
1 x48	- 4
2 x24	- 4
4 x12	- 4
3 x16	- 4
6 x 8	- 4

For Complete Table, See Pages 51 and 63.

Size	Lth
10 x24	- 1
12 x20	- 1
15 x16	- 1
3¾x32	- 2
4 x30	- 2
5 x24	- 2
6 x20	- 2
7½x16	- 2
8 x15	- 2
10 x12	- 2
2 x40	- 3
4 x20	- 3
2½x32	- 3
5 x16	- 3
8 x10	- 3
2 x30	- 4
2½x24	- 4
3 x20	- 4
3¾x16	- 4
4 x15	- 4
5 x12	- 4
7½x 8	- 4
6 x10	- 4

For Complete Table, See Pages 53 and 77.

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1 X 24 / 2 X 12 = 4

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	8	16	24	32	40	48	56	64	72	80	**10**
10	88	96	104	112	120	128	136	144	152	160	**20**
20	168	176	184	192	200	208	216	224	232	240	**30**
30	248	256	264	272	280	288	296	304	312	320	**40**
40	328	336	344	352	360	368	376	384	392	400	**50**
50	408	416	424	432	440	448	456	464	472	480	**60**
60	488	496	504	512	520	528	536	544	552	560	**70**
70	568	576	584	592	600	608	616	624	632	640	**80**
80	648	656	664	672	680	688	696	704	712	720	**90**
90	728	736	744	752	760	768	776	784	792	800	**100**

1 X 24 / 2 X 12 = 6

	12	24	36	48	60	72	84	96	108	120	**10**
10	132	144	156	168	180	192	204	216	228	240	**20**
20	252	264	276	288	300	312	324	336	348	360	**30**
30	372	384	396	408	420	432	444	456	468	480	**40**
40	492	504	516	528	540	552	564	576	588	600	**50**
50	612	624	636	648	660	672	684	696	708	720	**60**
60	732	744	756	768	780	792	804	816	828	840	**70**
70	852	864	876	888	900	912	924	936	948	960	**80**
80	972	984	996	1008	1020	1032	1044	1056	1068	1080	**90**
90	1092	1104	1116	1128	1140	1152	1164	1176	1188	1200	**100**

1 X 24 / 2 X 12 = 8

	16	32	48	64	80	96	112	128	144	160	**10**
10	176	192	208	224	240	256	272	288	304	320	**20**
20	336	352	368	384	400	416	432	448	464	480	**30**
30	496	512	528	544	560	576	592	608	624	640	**40**
40	656	672	688	704	720	736	752	768	784	800	**50**
50	816	832	848	864	880	896	912	928	944	960	**60**
60	976	992	1008	1024	1040	1056	1072	1088	1104	1120	**70**
70	1136	1152	1168	1184	1200	1216	1232	1248	1264	1280	**80**
80	1296	1312	1328	1344	1360	1376	1392	1408	1424	1440	**90**
90	1456	1472	1488	1504	1520	1536	1552	1568	1584	1600	**100**

1 X 24 / 2 X 12 = 10

	20	40	60	80	100	120	140	160	180	200	**10**
10	220	240	260	280	300	320	340	360	380	400	**20**
20	420	440	460	480	500	520	540	560	580	600	**30**
30	620	640	660	680	700	720	740	760	780	800	**40**
40	820	840	860	880	900	920	940	960	980	1000	**50**
50	1020	1040	1060	1080	1100	1120	1140	1160	1180	1200	**60**
60	1220	1240	1260	1280	1300	1320	1340	1360	1380	1400	**70**
70	1420	1440	1460	1480	1500	1520	1540	1560	1580	1600	**80**
80	1620	1640	1660	1680	1700	1720	1740	1760	1780	1800	**90**
90	1820	1840	1860	1880	1900	1920	1940	1960	1980	2000	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

2x12
2x14
2½x14
3x10
Shingles.
3x12
6x6

$$\begin{matrix}2\\4\\3\end{matrix}\times\begin{matrix}12\\6\\8\end{matrix}=12$$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	24	48	72	96	120	144	168	192	216	240	10
10	264	288	312	336	360	384	408	432	456	480	20
20	504	528	552	576	600	624	648	672	696	720	30
30	744	768	792	816	840	864	888	912	936	960	40
40	984	1008	1032	1056	1080	1104	1128	1152	1176	1200	50
50	1224	1248	1272	1296	1320	1344	1368	1392	1416	1440	60
60	1464	1488	1512	1536	1560	1584	1608	1632	1656	1680	70
70	1704	1728	1752	1776	1800	1824	1848	1872	1896	1920	80
80	1944	1968	1992	2016	2040	2064	2088	2112	2136	2160	90
90	2184	2208	2232	2256	2280	2304	2328	2352	2376	2400	100
100	2424	2448	2472	2496	2520	2544	2568	2592	2616	2640	110
110	2664	2688	2712	2736	2760	2784	2808	2832	2856	2880	120
120	2904	2928	2952	2976	3000	3024	3048	3072	3096	3120	130
130	3144	3168	3192	3216	3240	3264	3288	3312	3336	3360	140
140	3384	3408	3432	3456	3480	3504	3528	3552	3576	3600	150
150	3624	3648	3672	3696	3720	3744	3768	3792	3816	3840	160
160	3864	3888	3912	3936	3960	3984	4008	4032	4056	4080	170
170	4104	4128	4152	4176	4200	4224	4248	4272	4296	4320	180
180	4344	4368	4392	4416	4440	4464	4488	4512	4536	4560	190
190	4584	4608	4632	4656	4680	4704	4728	4752	4776	4800	200
200	4824	4848	4872	4896	4920	4944	4968	4992	5016	5040	210
210	5064	5088	5112	5136	5160	5184	5208	5232	5256	5280	220
220	5304	5328	5352	5376	5400	5424	5448	5472	5496	5520	230
230	5544	5568	5592	5616	5640	5664	5688	5712	5736	5760	240
240	5784	5808	5832	5856	5880	5904	5928	5952	5976	6000	250
250	6024	6048	6072	6096	6120	6144	6168	6192	6216	6240	260
260	6264	6288	6312	6336	6360	6384	6408	6432	6456	6480	270
270	6504	6528	6552	6576	6600	6624	6648	6672	6696	6720	280
280	6744	6768	6792	6816	6840	6864	6888	6912	6936	6960	290
290	6984	7008	7032	7056	7080	7104	7128	7152	7176	7200	300
300	7224	7248	7272	7296	7320	7344	7368	7392	7416	7440	310
310	7464	7488	7512	7536	7560	7584	7608	7632	7656	7680	320
320	7704	7728	7752	7776	7800	7824	7848	7872	7896	7920	330
330	7944	7968	7992	8016	8040	8064	8088	8112	8136	8160	340
340	8184	8208	8232	8256	8280	8304	8328	8352	8376	8400	350
350	8424	8448	8472	8496	8520	8544	8568	8592	8616	8640	360
360	8664	8688	8712	8736	8760	8784	8808	8832	8856	8880	370
370	8904	8928	8952	8976	9000	9024	9048	9072	9096	9120	380
380	9144	9168	9192	9216	9240	9264	9288	9312	9336	9360	390
390	9384	9408	9432	9456	9480	9504	9528	9552	9576	9600	400
400	9624	9648	9672	9696	9720	9744	9768	9792	9816	9840	410
410	9864	9888	9912	9936	9960	9984	10008	10032	10056	10080	420
420	10104	10128	10152	10176	10200	10224	10248	10272	10296	10320	430
430	10344	10368	10392	10416	10440	10464	10488	10512	10536	10560	440
440	10584	10608	10632	10656	10680	10704	10728	10752	10776	10800	450
450	10824	10848	10872	10896	10920	10944	10968	10992	11016	11040	460
460	11064	11088	11112	11136	11160	11184	11208	11232	11256	11280	470
470	11304	11328	11352	11376	11400	11424	11448	11472	11496	11520	480
480	11544	11568	11592	11616	11640	11664	11688	11712	11736	11760	490
490	11784	11808	11832	11856	11880	11904	11928	11952	11976	12000	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
6 x48	- 1
8 x36	- 1
9 x32	- 1
12 x24	- 1
16 x18	- 1
4 x36	- 2
4½x32	- 2
6 x24	- 2
8 x18	- 2
9 x16	- 2
12 x12	- 2
3 x32	- 3
4 x24	- 3
6 x16	- 3
8 x12	- 3
1½x48	- 4
2¼x32	- 4
4 x18	- 4
6 x12	- 4
8 x 9	- 4
1 x48	- 6
1½x32	- 6
2 x24	- 6
3 x16	- 6
4 x12	- 6
6 x 8	- 6
1 x36	- 8
1½x24	- 8
2¼x16	- 8
3 x12	- 8
4 x 9	- 8
4½x 8	- 8
6 x 6	- 8
½x64	- 9
1 x32	- 9
2 x16	- 9
4 x 8	- 9
½x48	-12
1 x24	-12
1½x16	-12
2 x12	-12
3 x 8	-12
4 x 6	-12
½x36	-16
1 x18	-16
1½x12	-16
2 x 9	-16
2¼x 8	-16
3 x 6	-16
4 x 4½	-16
½x32	-18
1 x16	-18
2 x 8	-18
4 x 4	-18
½x24	-24
1 x12	-24
2 x 6	-24
3 x 4	-24
½x18	-32
1 x 9	-32
3 x 3	-32
½x16	-36
1 x 8	-36
2 x 4	-36
½x12	-48
1 x 6	-48
2 x 3	-48

Size	Lth
10½x32	- 1
12 x28	- 1
14 x24	- 1
16 x21	- 1
6 x28	- 2
7 x24	- 2
8 x21	- 2
12 x14	- 2
3½x32	- 3
4 x28	- 3
7 x16	- 3
8 x14	- 3
3 x28	- 4
3½x24	- 4
4 x21	- 4
6 x14	- 4
7 x12	- 4
8 x10½	- 4
1¾x32	- 6
2 x28	- 6
3½x16	- 6
4 x14	- 6
7 x 8	- 6
2 x24	- 7
3 x16	- 7
4 x12	- 7
6 x 8	- 7
1½x28	- 8
1¾x24	- 8
2 x21	- 8
3 x14	- 8
3½x12	- 8
4 x10½	- 8
5¼x 8	- 8
6 x 7	- 8
3 x14	- 8
1¾x16	-12
2 x14	-12
3½x 8	-12
4 x 7	-12
1 x24	-14
1½x16	-14
2 x12	-14
3 x 8	-14
4 x 6	-14
1 x21	-16
1½x14	-16
1¾x12	-16
2 x10½	-16
3 x 7	-16
3½x 6	-16
4 x 5¼	-16
1 x16	-21
2 x 8	-21
4 x 4	-21
½x28	-24
1 x14	-24
2 x 7	-24
3½x 4	-24
½x24	-28
1 x12	-28
2 x 6	-28
3 x 4	-28
1 x 8	-42
2 x 4	-42

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2 x 12 / 4 x 6 / 3 x 8 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	28	56	84	112	140	168	196	224	252	280	10
10	308	336	364	392	420	448	476	504	532	560	20
20	588	616	644	672	700	728	756	784	812	840	30
30	868	896	924	952	980	1008	1036	1064	1092	1120	40
40	1148	1176	1204	1232	1260	1288	1316	1344	1372	1400	50
50	1428	1456	1484	1512	1540	1568	1596	1624	1652	1680	60
60	1708	1736	1764	1792	1820	1848	1876	1904	1932	1960	70
70	1988	2016	2044	2072	2100	2128	2156	2184	2212	2240	80
80	2268	2296	2324	2352	2380	2408	2436	2464	2492	2520	90
90	2548	2576	2604	2632	2660	2688	2716	2744	2772	2800	100
100	2828	2856	2884	2912	2940	2968	2996	3024	3052	3080	110
110	3108	3136	3164	3192	3220	3248	3276	3304	3332	3360	120
120	3388	3416	3444	3472	3500	3528	3556	3584	3612	3640	130
130	3668	3696	3724	3752	3780	3808	3836	3864	3892	3920	140
140	3948	3976	4004	4032	4060	4088	4116	4144	4172	4200	150
150	4228	4256	4284	4312	4340	4368	4396	4424	4452	4480	160
160	4508	4536	4564	4592	4620	4648	4676	4704	4732	4760	170
170	4788	4816	4844	4872	4900	4928	4956	4984	5012	5040	180
180	5068	5096	5124	5152	5180	5208	5236	5264	5292	5320	190
190	5348	5376	5404	5432	5460	5488	5516	5544	5572	5600	200
200	5628	5656	5684	5712	5740	5768	5796	5824	5852	5880	210
210	5908	5936	5964	5992	6020	6048	6076	6104	6132	6160	220
220	6188	6216	6244	6272	6300	6328	6356	6384	6412	6440	230
230	6468	6496	6524	6552	6580	6608	6636	6664	6692	6720	240
240	6748	6776	6804	6832	6860	6888	6916	6944	6972	7000	250
250	7028	7056	7084	7112	7140	7168	7196	7224	7252	7280	260
260	7308	7336	7364	7392	7420	7448	7476	7504	7532	7560	270
270	7588	7616	7644	7672	7700	7728	7756	7784	7812	7840	280
280	7868	7896	7924	7952	7980	8008	8036	8064	8092	8120	290
290	8148	8176	8204	8232	8260	8288	8316	8344	8372	8400	300
300	8428	8456	8484	8512	8540	8568	8596	8624	8652	8680	310
310	8708	8736	8764	8792	8820	8848	8876	8904	8932	8960	320
320	8988	9016	9044	9072	9100	9128	9156	9184	9212	9240	330
330	9268	9296	9324	9352	9380	9408	9436	9464	9492	9520	340
340	9548	9576	9604	9632	9660	9688	9716	9744	9772	9800	350
350	9828	9856	9884	9912	9940	9968	9996	10024	10052	10080	360
360	10108	10136	10164	10192	10220	10248	10276	10304	10332	10360	370
370	10388	10416	10444	10472	10500	10528	10556	10584	10612	10640	380
380	10668	10696	10724	10752	10780	10808	10836	10864	10892	10920	390
390	10948	10976	11004	11032	11060	11088	11116	11144	11172	11200	400
400	11228	11256	11284	11312	11340	11368	11396	11424	11452	11480	410
410	11508	11536	11564	11592	11620	11648	11676	11704	11732	11760	420
420	11788	11816	11844	11872	11900	11928	11956	11984	12012	12040	430
430	12068	12096	12124	12152	12180	12208	12236	12264	12292	12320	440
440	12348	12376	12404	12432	12460	12488	12516	12544	12572	12600	450
450	12628	12656	12684	12712	12740	12768	12796	12824	12852	12880	460
460	12908	12936	12964	12992	13020	13048	13076	13104	13132	13160	470
470	13188	13216	13244	13272	13300	13328	13356	13384	13412	13440	480
480	13468	13496	13524	13552	13580	13608	13636	13664	13692	13720	490
490	13748	13776	13804	13832	13860	13888	13916	13944	13972	14000	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2 x 12 / 4 x 6 / 3 x 8 = 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	32	64	96	128	160	192	224	256	288	320	10
10	352	384	416	448	480	512	544	576	608	640	20
20	672	704	736	768	800	832	864	896	928	960	30
30	992	1024	1056	1088	1120	1152	1184	1216	1248	1280	40
40	1312	1344	1376	1408	1440	1472	1504	1536	1568	1600	50
50	1632	1664	1696	1728	1760	1792	1824	1856	1888	1920	60
60	1952	1984	2016	2048	2080	2112	2144	2176	2208	2240	70
70	2272	2304	2336	2368	2400	2432	2464	2496	2528	2560	80
80	2592	2624	2656	2688	2720	2752	2784	2816	2848	2880	90
90	2912	2944	2976	3008	3040	3072	3104	3136	3168	3200	100
100	3232	3264	3296	3328	3360	3392	3424	3456	3488	3520	110
110	3552	3584	3616	3648	3680	3712	3744	3776	3808	3840	120
120	3872	3904	3936	3968	4000	4032	4064	4096	4128	4160	130
130	4192	4224	4256	4288	4320	4352	4384	4416	4448	4480	140
140	4512	4544	4576	4608	4640	4672	4704	4736	4768	4800	150
150	4832	4864	4896	4928	4960	4992	5024	5056	5088	5120	160
160	5152	5184	5216	5248	5280	5312	5344	5376	5408	5440	170
170	5472	5504	5536	5568	5600	5632	5664	5696	5728	5760	180
180	5792	5824	5856	5888	5920	5952	5984	6016	6048	6080	190
190	6112	6144	6176	6208	6240	6272	6304	6336	6368	6400	200
200	6432	6464	6496	6528	6560	6592	6624	6656	6688	6720	210
210	6752	6784	6816	6848	6880	6912	6944	6976	7008	7040	220
220	7072	7104	7136	7168	7200	7232	7264	7296	7328	7360	230
230	7392	7424	7456	7488	7520	7552	7584	7616	7648	7680	240
240	7712	7744	7776	7808	7840	7872	7904	7936	7968	8000	250
250	8032	8064	8096	8128	8160	8192	8224	8256	8288	8320	260
260	8352	8384	8416	8448	8480	8512	8544	8576	8608	8640	270
270	8672	8704	8736	8768	8800	8832	8864	8896	8928	8960	280
280	8992	9024	9056	9088	9120	9152	9184	9216	9248	9280	290
290	9312	9344	9376	9408	9440	9472	9504	9536	9568	9600	300
300	9632	9664	9696	9728	9760	9792	9824	9856	9888	9920	310
310	9952	9984	10016	10048	10080	10112	10144	10176	10208	10240	320
320	10272	10304	10336	10368	10400	10432	10464	10496	10528	10560	330
330	10592	10624	10656	10688	10720	10752	10784	10816	10848	10880	340
340	10912	10944	10976	11008	11040	11072	11104	11136	11168	11200	350
350	11232	11264	11296	11328	11360	11392	11424	11456	11488	11520	360
360	11552	11584	11616	11648	11680	11712	11744	11776	11808	11840	370
370	11872	11904	11936	11968	12000	12032	12064	12096	12128	12160	380
380	12192	12224	12256	12288	12320	12352	12384	12416	12448	12480	390
390	12512	12544	12576	12608	12640	12672	12704	12736	12768	12800	400
400	12832	12864	12896	12928	12960	12992	13024	13056	13088	13120	410
410	13152	13184	13216	13248	13280	13312	13344	13376	13408	13440	420
420	13472	13504	13536	13568	13600	13632	13664	13696	13728	13760	430
430	13792	13824	13856	13888	13920	13952	13984	14016	14048	14080	440
440	14112	14144	14176	14208	14240	14272	14304	14336	14368	14400	450
450	14432	14464	14496	14528	14560	14592	14624	14656	14688	14720	460
460	14752	14784	14816	14848	14880	14912	14944	14976	15008	15040	470
470	15072	15104	15136	15168	15200	15232	15264	15296	15328	15360	480
480	15392	15424	15456	15488	15520	15552	15584	15616	15648	15680	490
490	15712	15744	15776	15808	15840	15872	15904	15936	15968	16000	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
8 x48	- 1
16 x24	- 1
4 x48	- 2
8 x24	- 2
12 x16	- 2
2 x64	- 3
4 x32	- 3
8 x16	- 3
1 x96	- 4
2 x48	- 4
3 x32	- 4
4 x24	- 4
6 x16	- 4
8 x12	- 4
1 x64	- 6
2 x32	- 6
4 x16	- 6
8 x 8	- 6
1½x32	- 8
½x96	- 8
1 x48	- 8
2 x24	- 8
3 x16	- 8
4 x12	- 8
6 x 8	- 8
½x64	-12
1 x32	-12
2 x16	-12
4 x 8	-12
¼x96	-16
½x48	-16
1 x24	-16
2 x12	-16
3 x 8	-16
4 x 6	-16
¼x64	-24
½x32	-24
1 x16	-24
2 x 8	-24
4 x 4	-24
⅛x96	-32
¼x48	-32
½x24	-32
1 x12	-32
2 x 6	-32
3 x 4	-32
⅛x64	-48
¼x32	-48
½x16	-48
1 x 8	-48
2 x 4	-48

$$\begin{matrix} 2 \times 12 \\ 4 \times 6 \\ 3 \times 8 \end{matrix} = 18$$

Size Lth	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
9 x48 - 1	36	72	108	144	180	216	252	288	324	360	**10**
8 x54 - 1	396	432	468	504	540	576	612	648	684	720	**20**
12 x36 - 1	756	792	828	864	900	936	972	1008	1044	1080	**30**
16 x27 - 1	1116	1152	1188	1224	1260	1296	1332	1368	1404	1440	**40**
18 x24 - 1	1476	1512	1548	1584	1620	1656	1692	1728	1764	1800	**50**
6 x36 - 2	1836	1872	1908	1944	1980	2016	2052	2088	2124	2160	**60**
9 x24 - 2	2196	2232	2268	2304	2340	2376	2412	2448	2484	2520	**70**
8 x27 - 2	2556	2592	2628	2664	2700	2736	2772	2808	2844	2880	**80**
12 x18 - 2	2916	2952	2988	3024	3060	3096	3132	3168	3204	3240	**90**
3 x48 - 3	3276	3312	3348	3384	3420	3456	3492	3528	3564	3600	**100**
4 x36 - 3	3636	3672	3708	3744	3780	3816	3852	3888	3924	3960	**110**
6 x24 - 3	3996	4032	4068	4104	4140	4176	4212	4248	4284	4320	**120**
8 x18 - 3	4356	4392	4428	4464	4500	4536	4572	4608	4644	4680	**130**
9 x16 - 3	4716	4752	4788	4824	4860	4896	4932	4968	5004	5040	**140**
2 x54 - 4	5076	5112	5148	5184	5220	5256	5292	5328	5364	5400	**150**
3 x36 - 4	5436	5472	5508	5544	5580	5616	5652	5688	5724	5760	**160**
4 x27 - 4	5796	5832	5868	5904	5940	5976	6012	6048	6084	6120	**170**
6 x18 - 4	6156	6192	6228	6264	6300	6336	6372	6408	6444	6480	**180**
8 x13½ - 4	6516	6552	6588	6624	6660	6696	6732	6768	6804	6840	**190**
9 x12 - 4	6876	6912	6948	6984	7020	7056	7092	7128	7164	7200	**200**
12 x36 - 6	7236	7272	7308	7344	7380	7416	7452	7488	7524	7560	**210**
2 x48 - 6	7596	7632	7668	7704	7740	7776	7812	7848	7884	7920	**220**
3 x36 - 6	7956	7992	8028	8064	8100	8136	8172	8208	8244	8280	**230**
4 x27 - 6	8316	8352	8388	8424	8460	8496	8532	8568	8604	8640	**240**
6 x18 - 6	8676	8712	8748	8784	8820	8856	8892	8928	8964	9000	**250**
8 x13½ - 6	9036	9072	9108	9144	9180	9216	9252	9288	9324	9360	**260**
9 x12 - 6	9396	9432	9468	9504	9540	9576	9612	9648	9684	9720	**270**
12 x27 - 8	9756	9792	9828	9864	9900	9936	9972	10008	10044	10080	**280**
2 x54 - 8	10116	10152	10188	10224	10260	10296	10332	10368	10404	10440	**290**
3 x36 - 8	10476	10512	10548	10584	10620	10656	10692	10728	10764	10800	**300**
4 x27 - 8	10836	10872	10908	10944	10980	11016	11052	11088	11124	11160	**310**
6 x18 - 8	11196	11232	11268	11304	11340	11376	11412	11448	11484	11520	**320**
8 x13½ - 8	11556	11592	11628	11664	11700	11736	11772	11808	11844	11880	**330**
9 x12 - 8	11916	11952	11988	12024	12060	12096	12132	12168	12204	12240	**340**
12 x24 - 8	12276	12312	12348	12384	12420	12456	12492	12528	12564	12600	**350**
2 x48 - 9	12636	12672	12708	12744	12780	12816	12852	12888	12924	12960	**360**
3 x36 - 9	12996	13032	13068	13104	13140	13176	13212	13248	13284	13320	**370**
4 x27 - 9	13356	13392	13428	13464	13500	13536	13572	13608	13644	13680	**380**
6 x18 - 9	13716	13752	13788	13824	13860	13896	13932	13968	14004	14040	**390**
8 x13½ - 9	14076	14112	14148	14184	14220	14256	14292	14328	14364	14400	**400**
9 x12 - 9	14436	14472	14508	14544	14580	14616	14652	14688	14724	14760	**410**
12 x27 - 9	14796	14832	14868	14904	14940	14976	15012	15048	15084	15120	**420**
2 x54 - 12	15156	15192	15228	15264	15300	15336	15372	15408	15444	15480	**430**
3 x36 - 12	15516	15552	15588	15624	15660	15696	15732	15768	15804	15840	**440**
4 x27 - 12	15876	15912	15948	15984	16020	16056	16092	16128	16164	16200	**450**
6 x18 - 12	16236	16272	16308	16344	16380	16416	16452	16488	16524	16560	**460**
8 x13½ - 12	16596	16632	16668	16704	16740	16776	16812	16848	16884	16920	**470**
9 x12 - 12	16956	16992	17028	17064	17100	17136	17172	17208	17244	17280	**480**
12 x27 - 12	17316	17352	17388	17424	17460	17496	17532	17568	17604	17640	**490**
2 x54 - 16	17676	17712	17748	17784	17820	17856	17892	17928	17964	18000	**500**
3 x36 - 16											
4 x27 - 16											
6 x18 - 16											
8 x13½ - 16											
9 x12 - 16											
12 x24 - 16											
2 x54 - 18											
3 x36 - 18											
4 x27 - 18											
6 x18 - 18											
8 x13½ - 18											
9 x12 - 18											
12 x24 - 18											
2 x54 - 24											
3 x36 - 24											
4 x27 - 24											
6 x18 - 24											
8 x13½ - 24											
9 x12 - 24											
12 x27 - 24											
2 x54 - 27											
3 x36 - 27											
4 x27 - 27											
6 x18 - 27											
8 x13½ - 27											
9 x12 - 27											
12 x27 - 27											
2 x54 - 36											
3 x36 - 36											
4 x27 - 36											
6 x18 - 36											
8 x13½ - 36											
9 x12 - 36											
12 x27 - 36											
2 x54 - 48											
3 x36 - 48											
4 x27 - 48											
6 x18 - 48											
8 x13½ - 48											
9 x12 - 48											
12 x27 - 48											
2 x54 - 54											
3 x36 - 54											
4 x27 - 54											
6 x18 - 54											
8 x13½ - 54											
9 x12 - 54											
12 x27 - 54											
2 x54 - 72											
3 x36 - 72											
4 x27 - 72											
6 x18 - 72											
8 x13½ - 72											
9 x12 - 72											
12 x27 - 72											

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2x14
2½x14
3x10
Shingles.
3x12
6x6

2 x 12 / 4 x 6 / 3 x 8 = 20

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	40	80	120	160	200	240	280	320	360	400	**10**
10	440	480	520	560	600	640	680	720	760	800	**20**
20	840	880	920	960	1000	1040	1080	1120	1160	1200	**30**
30	1240	1280	1320	1360	1400	1440	1480	1520	1560	1600	**40**
40	1640	1680	1720	1760	1800	1840	1880	1920	1960	2000	**50**
50	2040	2080	2120	2160	2200	2240	2280	2320	2360	2400	**60**
60	2440	2480	2520	2560	2600	2640	2680	2720	2760	2800	**70**
70	2840	2880	2920	2960	3000	3040	3080	3120	3160	3200	**80**
80	3240	3280	3320	3360	3400	3440	3480	3520	3560	3600	**90**
90	3640	3680	3720	3760	3800	3840	3880	3920	3960	4000	**100**
100	4040	4080	4120	4160	4200	4240	4280	4320	4360	4400	**110**
110	4440	4480	4520	4560	4600	4640	4680	4720	4760	4800	**120**
120	4840	4880	4920	4960	5000	5040	5080	5120	5160	5200	**130**
130	5240	5280	5320	5360	5400	5440	5480	5520	5560	5600	**140**
140	5640	5680	5720	5760	5800	5840	5880	5920	5960	6000	**150**
150	6040	6080	6120	6160	6200	6240	6280	6320	6360	6400	**160**
160	6440	6480	6520	6560	6600	6640	6680	6720	6760	6800	**170**
170	6840	6880	6920	6960	7000	7040	7080	7120	7160	7200	**180**
180	7240	7280	7320	7360	7400	7440	7480	7520	7560	7600	**190**
190	7640	7680	7720	7760	7800	7840	7880	7920	7960	8000	**200**
200	8040	8080	8120	8160	8200	8240	8280	8320	8360	8400	**210**
210	8440	8480	8520	8560	8600	8640	8680	8720	8760	8800	**220**
220	8840	8880	8920	8960	9000	9040	9080	9120	9160	9200	**230**
230	9240	9280	9320	9360	9400	9440	9480	9520	9560	9600	**240**
240	9640	9680	9720	9760	9800	9840	9880	9920	9960	10000	**250**

2 x 12 / 4 x 6 / 3 x 8 = 22

	44	88	132	176	220	264	308	352	396	440	**10**
10	484	528	572	616	660	704	748	792	836	880	**20**
20	924	968	1012	1056	1100	1144	1188	1232	1276	1320	**30**
30	1364	1408	1452	1496	1540	1584	1628	1672	1716	1760	**40**
40	1804	1848	1892	1936	1980	2024	2068	2112	2156	2200	**50**
50	2244	2288	2332	2376	2420	2464	2508	2552	2596	2640	**60**
60	2684	2728	2772	2816	2860	2904	2948	2992	3036	3080	**70**
70	3124	3168	3212	3256	3300	3344	3388	3432	3476	3520	**80**
80	3564	3608	3652	3696	3740	3784	3828	3872	3916	3960	**90**
90	4004	4048	4092	4136	4180	4224	4268	4312	4356	4400	**100**
100	4444	4488	4532	4576	4620	4664	4708	4752	4796	4840	**110**
110	4884	4928	4972	5016	5060	5104	5148	5192	5236	5280	**120**
120	5324	5368	5412	5456	5500	5544	5588	5632	5676	5720	**130**
130	5764	5808	5852	5896	5940	5984	6028	6072	6116	6160	**140**
140	6204	6248	6292	6336	6380	6424	6468	6512	6556	6600	**150**
150	6644	6688	6732	6776	6820	6864	6908	6952	6996	7040	**160**
160	7084	7128	7172	7216	7260	7304	7348	7392	7436	7480	**170**
170	7524	7568	7612	7656	7700	7744	7788	7832	7876	7920	**180**
180	7964	8008	8052	8096	8140	8184	8228	8272	8316	8360	**190**
190	8404	8448	8492	8536	8580	8624	8668	8712	8756	8800	**200**
200	8844	8888	8932	8976	9020	9064	9108	9152	9196	9240	**210**
210	9284	9328	9372	9416	9460	9504	9548	9592	9636	9680	**220**
220	9724	9768	9812	9856	9900	9944	9988	10032	10076	10120	**230**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size Lth

4 x12 -1
1 x10 -1
1¼x32 -1
2 x20 -1
2½x16 -1
4 x10 -1
5 x 8 -1
1 x32 -1
2 x16 -1
4 x 8 -1
1 x30 -1
1¼x24 -1
1½x20 -1
2 x15 -1
2½x12 -1
3 x10 -1
3¾x 8 -1
4 x 7½ -1
5 x 6 -1
1 x24 -2
1½x16 -2
2 x12 -2
3 x 8 -2
4 x 6 -2
1 x20 -2
2 x10 -2
2½x 8 -2
4 x 5 -2
1 x16 -2
2 x 8 -2
4 x 4 -2
1 x15 -2
1½x10 -3
2½x 6 -3
3 x 5 -3
1 x12 -4
2 x 6 -4
3 x 4 -4
1 x10 -4
2 x 5 -4
2½x 4 -4

11 x24 -
6 x44 -
11 x16 -
8 x22 -
11 x12 -
6 x22 -
4 x22 -
5½x16 -
8 x11 -
3 x22 -
5½x12 -
6 x11 -
2 x24 -1
3 x16 -1
4 x12 -1
6 x 8 -1
1 x44 -1
2 x22 -1
4 x11 -1
1 x33 -1
1½x22 -1
3 x11 -1
1 x24 -1
1½x16 -1
2 x12 -1
3 x 8 -1
4 x 6 -1
1 x22 -1
2 x11 -1
4 x 5½ -1
1 x16 -1
2 x 8 -1
4 x 4 -1
1 x12 -1
1½x 8 -1
2 x 6 -1
3 x 4 -1

2 X 12 / 4 X 6 / 3 X 8 = 28

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	56	112	168	224	280	336	392	448	504	560	**10**
10	616	672	728	784	840	896	952	1008	1064	1120	**20**
20	1176	1232	1288	1344	1400	1456	1512	1568	1624	1680	**30**
30	1736	1792	1848	1904	1960	2016	2072	2128	2184	2240	**40**
40	2296	2352	2408	2464	2520	2576	2632	2688	2744	2800	**50**
50	2856	2912	2968	3024	3080	3136	3192	3248	3304	3360	**60**
60	3416	3472	3528	3584	3640	3696	3752	3808	3864	3920	**70**
70	3976	4032	4088	4144	4200	4256	4312	4368	4424	4480	**80**
80	4536	4592	4648	4704	4760	4816	4872	4928	4984	5040	**90**
90	5096	5152	5208	5264	5320	5376	5432	5488	5544	5600	**100**
100	5656	5712	5768	5824	5880	5936	5992	6048	6104	6160	**110**
110	6216	6272	6328	6384	6440	6496	6552	6608	6664	6720	**120**
120	6776	6832	6888	6944	7000	7056	7112	7168	7224	7280	**130**
130	7336	7392	7448	7504	7560	7616	7672	7728	7784	7840	**140**
140	7896	7952	8008	8064	8120	8176	8232	8288	8344	8400	**150**
150	8456	8512	8568	8624	8680	8736	8792	8848	8904	8960	**160**
160	9016	9072	9128	9184	9240	9296	9352	9408	9464	9520	**170**
170	9576	9632	9688	9744	9800	9856	9912	9968	10024	10080	**180**

Size Lth

1 x56 -12
2 x28 -12
4 x14 -12
7 x 8 -12
1 x48 -14
1½x32 -14
2 x24 -14
3 x16 -14
4 x12 -14
6 x 8 -14
1 x42 -16
1½x28 -16
2 x21 -16
3 x14 -16
5¼x 8 -16
1 x32 -21
2 x16 -21
4 x 8 -21
1 x28 -24
2 x14 -24
4 x 7 -24
3½x 8 -24
1 x24 -28
1½x16 -28
2 x12 -28
3 x 8 -28
4 x 6 -28
1 x21 -32
1½x14 -32
2 x10½-32
3 x 7 -32
4 x 5¼-32
1 x16 -42
2 x 8 -42
4 x 4 -42

See Also Page 100, Table No. 2. Page 109, Table No. 2.

2 X 12 / 4 X 6 / 3 X 8 = 30

	60	120	180	240	300	360	420	480	540	600	**10**
10	660	720	780	840	900	960	1020	1080	1140	1200	**20**
20	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	**30**
30	1860	1920	1980	2040	2100	2160	2220	2280	2340	2400	**40**
40	2460	2520	2580	2640	2700	2760	2820	2880	2940	3000	**50**
50	3060	3120	3180	3240	3300	3360	3420	3480	3540	3600	**60**
60	3660	3720	3780	3840	3900	3960	4020	4080	4140	4200	**70**
70	4260	4320	4380	4440	4500	4560	4620	4680	4740	4800	**80**
80	4860	4920	4980	5040	5100	5160	5220	5280	5340	5400	**90**
90	5460	5520	5580	5640	5700	5760	5820	5880	5940	6000	**100**
100	6060	6120	6180	6240	6300	6360	6420	6480	6540	6600	**110**
110	6660	6720	6780	6840	6900	6960	7020	7080	7140	7200	**120**
120	7260	7320	7380	7440	7500	7560	7620	7680	7740	7800	**130**
130	7860	7920	7980	8040	8100	8160	8220	8280	8340	8400	**140**
140	8460	8520	8580	8640	8700	8760	8820	8880	8940	9000	**150**
150	9060	9120	9180	9240	9300	9360	9420	9480	9540	9600	**160**
160	9660	9720	9780	9840	9900	9960	10020	10080	10140	10200	**170**

1 x48 -15
1½x32 -15
2 x24 -15
3 x16 -15
4 x12 -15
6 x 8 -15
1½x30 -16
3 x15 -16
5 x 9 -16
6 x 7½-16
1 x40 -18
2 x20 -18
4 x10 -18
5 x 8 -18
1 x36 -20
1½x24 -20
2 x18 -20
3 x12 -20
6 x 6 -20
1 x30 -24
1½x24 -24
1½x20 -24
2 x15 -24
2½x12 -24
3 x10 -24
4 x 7½-24
5 x 6 -24
1 x24 -30
1½x16 -30
2 x12 -30
3 x 8 -30
4 x 6 -30
1 x20 -36
2 x10 -36
4 x 5 -36
1 x18 -40
2 x 9 -40
4 x 4½-40

See Also Page 104, Table No. 3. Page 107, Table No. 1.

To Find Nnmber of Feet in any Number of Pieces Odd Lengths.

Example: 50—2x4—9. Take half the number of 2x4—18, see page 36 25—2x4—18 contains 300 feet, the number of feet in 50—2x4—9 feet. See pages 125 to 158 for all lengths and sizes.

Size Lth

14 x28 - 1
7 x28 - 2
14 x14 - 2
2 x28 - 7
3½x16 - 7
7 x 8 - 7
7 x 7 - 8
1¾x28 - 8
3½x14 - 8
4 x12¼ - 8
7 x 7 - 8
1 x28 -14
1¾x16 -14
2 x14 -14
4 x 7 -14
½x49 -16
1 x24½-16
1¾x14 -16
2 x12¼-16
1 x14 -28
1¾x 8 -28
2 x 7 -28

16 x28 - 1
8 x28 - 2
4 x28 - 4
7 x16 - 4
8 x14 - 4
4 x16 - 7
2 x28 - 8
4 x14 - 8
7 x 8 - 8
1 x28 -16
2 x14 -16
4 x 7 -16
1 x16 -28
2 x 8 -28
4 x 4 -28
1 x14 -32
2 x 7 -32

2 x14 -18
1 x24 -21
1½x16 -21
2 x12 -21
3 x 8 -21
4 x 6 -21
1 x21 -24
2 x10½-24
3 x 7 -24
1 x18 -28
1½x12 -28
3 x 9 -28
2 x14 -36
2 x 7 -36
2 x12 -42
3 x 6 -42
3 x 4 -42
1½x 8 -42

14 x20 - 2
10 x14 - 4
7 x16 - 5
8 x14 - 5
8 x10 - 7
5 x14 - 8
4 x14 -10
2 x20 -14
2 x10 -14
5 x 8 -14
2½x14 -16
5 x 7 -16
3½x 8 -20
1 x20 -28
2 x10 -28
2½x 8 -28
4 x 5 -28
1 x16 -35
2 x 8 -35
4 x 4 -35
1 x14 -40
2 x 7 -40

See Also Page 106, Table No. 2.

See Also Page 84, Table No. 1.

2 x 14 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	32⅔	65⅓	98	130⅔	163⅓	196	228⅔	261⅓	294	326⅔	10
10	359⅓	392	424⅔	457⅓	490	522⅔	555⅓	588	620⅔	653⅓	20
20	686	718⅔	751⅓	784	816⅔	849⅓	882	914⅔	947⅓	980	30
30	1012⅔	1045⅓	1078	1110⅔	1143⅓	1176	1208⅔	1241⅓	1274	1306⅔	40
40	1339⅓	1372	1404⅔	1437⅓	1470	1502⅔	1535⅓	1568	1600⅔	1633⅓	50
50	1666	1698⅔	1731⅓	1764	1796⅔	1829⅓	1862	1894⅔	1927⅓	1960	60
60	1992⅔	2025⅓	2058	2090⅔	2123⅓	2156	2188⅔	2221⅓	2254	2286⅔	70
70	2319⅓	2352	2384⅔	2417⅓	2450	2482⅔	2515⅓	2548	2580⅔	2613⅓	80
80	2646	2678⅔	2711⅓	2744	2776⅔	2809⅓	2842	2874⅔	2907⅓	2940	90
90	2972⅔	3005⅓	3038	3070⅔	3103⅓	3136	3168⅔	3201⅓	3234	3266⅔	100

2 × 14 = 16

	37½	74⅔	112	149⅓	186⅔	224	261½	298⅔	336	373⅓	10
10	410⅔	448	485⅓	522⅔	560	597½	634⅔	672	709⅓	746⅔	20
20	784	821⅓	858⅔	896	933⅓	970⅔	1008	1045⅓	1082⅔	1120	30
30	1157½	1194⅔	1232	1269⅓	1306⅔	1344	1381½	1418⅔	1456	1493⅓	40
40	1530⅔	1568	1605⅓	1642⅔	1680	1717½	1754⅔	1792	1829⅓	1866⅔	50
50	1904	1941⅓	1978⅔	2016	2053⅓	2090⅔	2128	2165½	2202⅔	2240	60
60	2277⅓	2314⅔	2352	2389⅓	2426⅔	2464	2501⅓	2538⅔	2576	2613⅓	70
70	2650⅔	2688	2725⅓	2762⅔	2800	2837½	2874⅔	2912	2949⅓	2986⅔	80
80	3024	3061⅓	3098⅔	3136	3173⅓	3210⅔	3248	3285⅓	3322⅔	3360	90
90	3397⅓	3434⅔	3472	3509⅓	3546⅔	3584	3621⅓	3658⅔	3696	3733⅓	100

2 × 14 = 18

	42	84	126	168	210	252	294	336	378	420	10
10	462	504	546	588	630	672	714	756	798	840	20
20	882	924	966	1008	1050	1092	1134	1176	1218	1260	30
30	1302	1344	1386	1428	1470	1512	1554	1596	1638	1680	40
40	1722	1764	1806	1848	1890	1932	1974	2016	2058	2100	50
50	2142	2184	2226	2268	2310	2352	2394	2436	2478	2520	60
60	2562	2604	2646	2688	2730	2772	2814	2856	2898	2940	70
70	2982	3024	3066	3108	3150	3192	3234	3276	3318	3360	80
80	3402	3444	3486	3528	3570	3612	3654	3696	3738	3780	90
90	3822	3864	3906	3948	3990	4032	4074	4116	4158	4200	100

2 × 14 = 20

	46⅔	93⅓	140	186⅔	233⅓	280	326⅔	373⅓	420	466⅔	10
10	513⅓	560	606⅔	653⅓	700	746⅔	793⅓	840	886⅔	933⅓	20
20	980	1026⅔	1073⅓	1120	1166⅔	1213⅓	1260	1306⅔	1353⅓	1400	30
30	1446⅔	1493⅓	1540	1586⅔	1633⅓	1680	1726⅔	1773⅓	1820	1866⅔	40
40	1913⅓	1960	2006⅔	2053⅓	2100	2146⅔	2193⅓	2240	2286⅔	2333⅓	50
50	2380	2426⅔	2473⅓	2520	2566⅔	2613⅓	2660	2706⅔	2753⅓	2800	60
60	2846⅔	2893⅓	2940	2986⅔	3033⅓	3080	3126⅔	3173⅓	3220	3266⅔	70
70	3313⅓	3360	3406⅔	3453⅓	3500	3546⅔	3593⅓	3640	3686⅔	3733⅓	80
80	3780	3826⅔	3873⅓	3920	3966⅔	4013⅓	4060	4106⅔	4153⅓	4200	90
90	4246⅔	4293⅓	4340	4386⅔	4433⅓	4480	4526⅔	4573⅓	4620	4666⅔	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2x14
2½x14
3x10
Shingles.
3x12
6x6

Size	Lth
14 x28	- 1
7 x28	- 2
14 x14	- 2
2 x28	- 7
3½x16	- 7
7 x 8	- 7
7 x 7	- 8
1¾x28	- 8
3½x14	- 8
4 x12¼	- 8
7 x 7	- 8
1 x28	-14
1¾x16	-14
2 x14	-14
4 x 7	-14
½x49	-16
1 x24½	-16
1¾x14	-16
2 x12¼	-16
1 x14	-28
1¾x 8	-28
2 x 7	-28

2 x 14 / 4 x 7 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	F eet.	
	32⅔	65⅓	98	130⅔	163⅓	196	228⅔	261⅓	294	326⅔	**10**
10	359⅓	392	424⅔	457⅓	490	522⅔	555⅓	588	620⅔	653⅓	**20**
20	686	718⅔	751⅓	784	816⅔	849⅓	882	914⅔	947⅓	980	**30**
30	1012⅔	1045⅓	1078	1110⅔	1143⅓	1176	1208⅔	1241⅓	1274	1306⅔	**40**
40	1339⅓	1372	1404⅔	1437⅓	1470	1502⅔	1535⅓	1568	1600⅔	1633⅓	**50**
50	1666	1698⅔	1731⅓	1764	1796⅔	1829⅓	1862	1894⅔	1927⅓	1960	**60**
60	1992⅔	2025⅓	2058	2090⅔	2123⅓	2156	2188⅔	2221⅓	2254	2286⅔	**70**
70	2319⅓	2352	2384⅔	2417⅓	2450	2482⅔	2515⅓	2548	2580⅔	2613⅓	**80**
80	2646	2678⅔	2711⅓	2744	2776⅔	2809⅓	2842	2874⅔	2907⅓	2940	**90**
90	2972⅔	3005⅓	3038	3070⅔	3103⅓	3136	3168⅔	3201⅓	3234	3266⅔	**100**

Size	Lth
16 x28	- 1
8 x28	- 2
4 x28	- 4
7 x16	- 4
8 x14	- 4
4 x16	- 7
2 x28	- 8
4 x14	- 8
7 x 8	- 8
1 x28	-16
2 x14	-16
4 x 7	-16
1 x16	-28
2 x 8	-28
4 x 4	-28
1 x14	-32
2 x 7	-32

2 × 14 = 16

	37⅓	74⅔	112	149⅓	186⅔	224	261⅓	298⅔	336	373⅓	**10**
10	410⅔	448	485⅓	522⅔	560	597⅓	634⅔	672	709⅓	746⅔	**20**
20	784	821⅓	858⅔	896	933⅓	970⅔	1008	1045⅓	1082⅔	1120	**30**
30	1157⅓	1194⅔	1232	1269⅓	1306⅔	1344	1381⅓	1418⅔	1456	1493⅓	**40**
40	1530⅔	1568	1605⅓	1642⅔	1680	1717⅓	1754⅔	1792	1829⅓	1866⅔	**50**
50	1904	1941⅓	1978⅔	2016	2053⅓	2090⅔	2128	2165⅓	2202⅔	2240	**60**
60	2277⅓	2314⅔	2352	2389⅓	2426⅔	2464	2501⅓	2538⅔	2576	2613⅓	**70**
70	2650⅔	2688	2725⅓	2762⅔	2800	2837⅓	2874⅔	2912	2949⅓	2986⅔	**80**
80	3024	3061⅓	3098⅔	3136	3173⅓	3210⅔	3248	3285⅓	3322⅔	3360	**90**
90	3397⅓	3434⅔	3472	3509⅓	3546⅔	3584	3621⅓	3658⅔	3696	3733⅓	**100**

Size	Lth
2 x14	-18
1 x24	-21
1½x16	-21
2 x12	-21
3 x 8	-21
4 x 6	-21
1 x21	-24
2 x10½	-24
3 x 7	-24
1 x18	-28
1½x12	-28
2 x 9	-28
1 x14	-36
2 x 7	-36
1 x12	-42
2 x 6	-42
3 x 4	-42
1½x 8	-42

2 × 14 = 18

	42	84	126	168	210	252	294	336	378	420	**10**
10	462	504	546	588	630	672	714	756	798	840	**20**
20	882	924	966	1008	1050	1092	1134	1176	1218	1260	**30**
30	1302	1344	1386	1428	1470	1512	1554	1596	1638	1680	**40**
40	1722	1764	1806	1848	1890	1932	1974	2016	2058	2100	**50**
50	2142	2184	2226	2268	2310	2352	2394	2436	2478	2520	**60**
60	2562	2604	2646	2688	2730	2772	2814	2856	2898	2940	**70**
70	2982	3024	3066	3108	3150	3192	3234	3276	3318	3360	**80**
80	3402	3444	3486	3528	3570	3612	3654	3696	3738	3780	**90**
90	3822	3864	3906	3948	3990	4032	4074	4116	4158	4200	**100**

Size	Lth
14 x20	- 2
10 x14	- 4
7 x16	- 5
8 x14	- 5
8 x10	- 7
5 x14	- 8
4 x14	-10
2 x20	-14
4 x10	-14
5 x 8	-14
2½x14	-16
5 x 7	-16
3½x 8	-20
1 x20	-28
2 x10	-28
2½x 8	-28
4 x 5	-28
1 x16	-35
2 x 8	-35
4 x 4	-35
1 x14	-40
2 x 7	-40

2 × 14 = 20

	46⅔	93⅓	140	186⅔	233⅓	280	326⅔	373⅓	420	466⅔	**10**
10	513⅓	560	606⅔	653⅓	700	746⅔	793⅓	840	886⅔	933⅓	**20**
20	980	1026⅔	1073⅓	1120	1166⅔	1213⅓	1260	1306⅔	1353⅓	1400	**30**
30	1446⅔	1493⅓	1540	1586⅔	1633⅓	1680	1726⅔	1773⅓	1820	1866⅔	**40**
40	1913⅓	1960	2006⅔	2053⅓	2100	2146⅔	2193⅓	2240	2286⅔	2333⅓	**50**
50	2380	2426⅔	2473⅓	2520	2566⅔	2613⅓	2660	2706⅔	2753⅓	2800	**60**
60	2846⅔	2893⅓	2940	2986⅔	3033⅓	3080	3126⅔	3173⅓	3220	3266⅔	**70**
70	3313⅓	3360	3406⅔	3453⅓	3500	3546⅔	3593⅓	3640	3686⅔	3733⅓	**80**
80	3780	3826⅔	3873⅓	3920	3966⅔	4013⅓	4060	4106⅔	4153⅓	4200	**90**
90	4246⅔	4293⅓	4340	4386⅔	4433⅓	4480	4526⅔	4573⅓	4620	4666⅔	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2 x14 / 4 x 7 = 22

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	51⅓	102⅔	154	205⅓	256⅔	308	359⅓	410⅔	462	513⅓	10
10	564⅔	616	667⅓	718⅔	770	821⅓	872⅔	924	975⅓	1026⅔	20
20	1078	1129⅓	1180⅔	1232	1283⅓	1334⅔	1386	1437⅓	1488⅔	1540	30
30	1591⅓	1642⅔	1694	1745⅓	1796⅔	1848	1899⅓	1950⅔	2002	2053⅓	40
40	2104⅔	2156	2207⅓	2258⅔	2310	2361⅓	2412⅔	2464	2515⅓	2566⅔	50
50	2618	2669⅓	2720⅔	2772	2823⅓	2874⅔	2926	2977⅓	3028⅔	3080	60
60	3131⅓	3182⅔	3234	3285⅓	3336⅔	3388	3439⅓	3490⅔	3542	3593⅓	70
70	3644⅔	3696	3747⅓	3798⅔	3850	3901⅓	3952⅔	4004	4055⅓	4106⅔	80
80	4158	4209⅓	4260⅔	4312	4363⅓	4414⅔	4466	4517⅓	4568⅔	4620	90
90	4671⅓	4722⅔	4774	4825⅓	4876⅔	4928	4979⅓	5030⅔	5082	5133⅓	100

2 × 14 = 24

	56	112	168	224	280	336	392	448	504	560	10
10	616	672	728	784	840	896	952	1008	1064	1120	20
20	1176	1232	1288	1344	1400	1456	1512	1568	1624	1680	30
30	1736	1792	1848	1904	1960	2016	2072	2128	2184	2240	40
40	2296	2352	2408	2464	2520	2576	2632	2688	2744	2800	50
50	2856	2912	2968	3024	3080	3136	3192	3248	3304	3360	60
60	3416	3472	3528	3584	3640	3696	3752	3808	3864	3920	70
70	3976	4032	4088	4144	4200	4256	4312	4368	4424	4480	80
80	4536	4592	4648	4704	4760	4816	4872	4928	4984	5040	90
90	5096	5152	5208	5264	5320	5376	5432	5488	5544	5600	100

2 × 14 = 26

	60⅔	121⅓	182	242⅔	303⅓	364	424⅔	485⅓	546	606⅔	10
10	667⅓	728	788⅔	849⅓	910	970⅔	1031⅓	1092	1152⅔	1213⅓	20
20	1274	1334⅔	1395⅓	1456	1516⅔	1577⅓	1638	1698⅔	1759⅓	1820	30
30	1880⅔	1941⅓	2002	2062⅔	2123⅓	2184	2244⅔	2305⅓	2366	2426⅔	40
40	2487⅓	2548	2608⅔	2669⅓	2730	2790⅔	2851⅓	2912	2972⅔	3033⅓	50
50	3094	3154⅔	3215⅓	3276	3336⅔	3397⅓	3458	3518⅔	3579⅓	3640	60
60	3700⅔	3761⅓	3822	3882⅔	3943⅓	4004	4064⅔	4125⅓	4186	4246⅔	70
70	4307⅓	4368	4428⅔	4489⅓	4550	4610⅔	4671⅓	4732	4792⅔	4853⅓	80
80	4914	4974⅔	5035⅓	5096	5156⅔	5217⅓	5278	5338⅔	5399⅓	5460	90
90	5520⅔	5581⅓	5642	5702⅔	5763⅓	5824	5884⅔	5945⅓	6006	6066⅔	100

2 × 14 = 28

	65⅓	130⅔	196	261⅓	326⅔	392	457⅓	522⅔	588	653⅓	10
10	718⅔	784	849⅓	914⅔	980	1045⅓	1110⅔	1176	1241⅓	1306⅔	20
20	1372	1437⅓	1502⅔	1568	1633⅓	1698⅔	1764	1829⅓	1894⅔	1960	30
30	2025⅓	2090⅔	2156	2221⅓	2286⅔	2352	2417⅓	2482⅔	2548	2613⅓	40
40	2678⅔	2744	2809⅓	2874⅔	2940	3005⅓	3070⅔	3136	3201⅓	3266⅔	50
50	3332	3397⅓	3462⅔	3528	3593⅓	3658⅔	3724	3789⅓	3854⅔	3920	60
60	3985⅓	4050⅔	4116	4181⅓	4246⅔	4312	4377⅓	4442⅔	4508	4573⅓	70
70	4638⅔	4704	4769⅓	4834⅔	4900	4965⅓	5030⅔	5096	5161⅓	5226⅔	80
80	5292	5357⅓	5422⅔	5488	5553⅓	5618⅔	5684	5749⅓	5814⅔	5880	90
90	5945⅓	6010⅔	6076	6141⅓	6206⅔	6272	6337⅓	6402⅔	6468	6533⅓	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
22 x28	- 1
11 x28	- 2
14 x22	- 2
7 x22	- 4
11 x14	- 4
4 x22	- 7
8 x11	- 7
3½x22	- 8
2 x28	-11
3½x16	-11
7 x 8	-11
1 x44	-14
2 x22	-14
4 x11	-14
1¾x22	-1
3½x11	-1
2 x14	-22
4 x 7	-22
1 x22	-28
2 x11	-28
4 x 5½	-28
1 x14	-44

See Also Page 105, Table No. 1.

Size	Lth
3½x32	- 6
4 x28	- 6
7 x16	- 6
8 x14	- 6
3 x32	- 7
4 x24	- 7
6 x16	- 7
8 x12	- 7
2 x42	- 8
3 x28	- 8
4 x21	- 8
5¼x16	- 8
6 x14	- 8
7 x12	- 8
8 x10½	- 8
1 x56	-12
2 x28	-12

See Also Page 109, Table No. 1.

Size	Lth
14 x26	- 2
13 x28	- 2
7 x26	- 4
13 x14	- 4
4 x26	- 7
8 x13	- 7
6½x14	- 8
7 x13	- 8
2 x28	-13
3½x16	-13
4 x14	-13
7 x 8	-13
2 x26	-14
4 x13	-14
2 x14	-26
3½x 8	-26
4 x 7	-26
2 x13	-28
4 x 6½	-28

Size	Lth
7 x28	- 4
14 x14	- 4
3½x32	- 7
4 x28	- 7
7 x16	- 7
8 x14	- 7
3½x28	- 8
7 x14	- 8
2 x28	-14
3½x16	-14
4 x14	-14
7 x 8	-14
3½x14	-16
7 x 7	-16
1 x28	-28
2 x14	-28
3½x 8	-28
4 x 7	-28
1 x16	-49
2 x 8	-49
4 x 4	-49

See Also Page 105, Table No. 1.

Size Lth

2 x20 -21
4 x10 -21
5 x 8 -21
2½x14 -24
5 x 7 -24
1½x20 -28
2 x15 -28
2½x12 -28
3 x10 -28
4 x 7½-28
5 x 6 -28
2 x14 -30
3½x 8 -30
4 x 7 -30
1 x24 -35
2 x12 -35
3 x 8 -35
4 x 6 -35
1½x14 -40
3 x 7 -40
1 x20 -42
2 x10 -42
4 x 5 -42

5 x28 - 5
7 x20 - 5
4 x25 - 7
5 x20 - 7
10 x10 - 7
5 x14 -10
2 x25 -14
5 x10 -14
1¾x28 -20
5 x 7 -20
2 x14 -25
4 x 7 -25
1¾x20 -28
2½x10 -28
5 x 5 -28
1 x20 -35
2 x10 -35
4 x 5 -35

7 x22 - 5
10 x11 - 7
5½x20 - 7
2½x28 -11
5 x14 -11
7 x10 -11
2½x22 -14
5 x11 -14
5½x10 -14
2½x14 -22
3½x10 -22
5 x 7 -22
1¾x22 -28
2½x11 -28
5 x 5½-28
1 x22 -35
2 x11 -35
4 x 5½-35

2 x20 -21
4 x10 -21
5 x 8 -21
2½x14 -24
5 x 7 -24
1½x20 -28
2 x15 -28
2½x12 -28
3 x10 -28
4 x 7½-28
5 x 6 -28
2 x14 -30
3½x 8 -30
4 x 7 -30
1 x24 -35
2 x12 -35
3 x 8 -35
4 x 6 -35
1½x14 -40
3 x 7 -40
1 x20 -42
2 x10 -42
4 x 5 -42

See Also Page 105, Table No. 1.

Page 101

2 x 14 / 4 x 7 = 30

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	70	140	210	280	350	420	490	560	630	700	10
10	770	840	910	980	1050	1120	1190	1260	1330	1400	20
20	1470	1540	1610	1680	1750	1820	1890	1960	2030	2100	30
30	2170	2240	2310	2380	2450	2520	2590	2660	2730	2800	40
40	2870	2940	3010	3080	3150	3220	3290	3360	3430	3500	50
50	3570	3640	3710	3780	3850	3920	3990	4060	4130	4200	60
60	4270	4340	4410	4480	4550	4620	4690	4760	4830	4900	70
70	4970	5040	5110	5180	5250	5320	5390	5460	5530	5600	80
80	5670	5740	5810	5880	5950	6020	6090	6160	6230	6300	90
90	6370	6440	6510	6580	6650	6720	6790	6860	6930	7000	100

2½ × 14 = 20

	58⅓	116⅔	175	233⅓	291⅔	350	408⅓	466⅔	525	583⅓	10
10	641⅔	700	758⅓	816⅔	875	933⅓	991⅔	1050	1108⅓	1166⅔	20
20	1225	1283⅓	1341⅔	1400	1458⅓	1516⅔	1575	1633⅓	1691⅔	1750	30
30	1808⅓	1866⅔	1925	1983⅓	2041⅔	2100	2158⅓	2216⅔	2275	2333⅓	40
40	2391⅔	2450	2508⅓	2566⅔	2625	2683⅓	2741⅔	2800	2858⅓	2916⅔	50
50	2975	3033⅓	3091⅔	3150	3208⅓	3266⅔	3325	3383⅓	3441⅔	3500	60
60	3558⅓	3616⅔	3675	3733⅓	3791⅔	3850	3908⅓	3966⅔	4025	4083⅓	70
70	4141⅔	4200	4258⅓	4316⅔	4375	4433⅓	4491⅔	4550	4608⅓	4666⅔	80
80	4725	4783⅓	4841⅔	4900	4958⅓	5016⅔	5075	5133⅓	5191⅔	5250	90
90	5308⅓	5366⅔	5425	5483⅓	5541⅔	5600	5658⅓	5716⅔	5775	5833⅓	100

2½ × 14 = 22

	64⅙	128⅓	192½	256⅔	320⅚	385	449⅙	513⅓	577½	641⅔	10
10	705⅚	770	834⅙	898⅓	962½	1026⅔	1090⅚	1155	1219⅙	1283⅓	20
20	1347½	1411⅔	1475⅚	1540	1604⅙	1668⅓	1732½	1796⅔	1860⅚	1925	30
30	1989½	2053⅓	2117½	2181⅔	2245⅚	2310	2374⅙	2438⅓	2502½	2566⅔	40
40	2630⅚	2695	2759⅙	2823⅓	2887½	2951⅔	3015⅚	3080	3144⅙	3208⅓	50
50	3272½	3336⅔	3400⅚	3465	3529⅙	3593⅓	3657½	3721⅔	3785⅚	3850	60
60	3914⅙	3978⅓	4042½	4106⅔	4170⅚	4235	4299⅙	4363⅓	4427½	4491⅔	70
70	4555⅚	4620	4684⅙	4748⅓	4812½	4876⅔	4940⅚	5005	5069⅙	5133⅓	80
80	5197½	5261⅔	5325⅚	5390	5454⅙	5518⅓	5582½	5646⅔	5710⅚	5775	90
90	5839⅙	5903⅓	5967½	6031⅔	6095⅚	6160	6224⅙	6288⅓	6352½	6416⅔	100

2½ × 14 = 24

	70	140	210	280	350	420	490	560	630	700	10
10	770	840	910	980	1050	1120	1190	1260	1330	1400	20
20	1470	1540	1610	1680	1750	1820	1890	1960	2030	2100	30
30	2170	2240	2310	2380	2450	2520	2590	2660	2730	2800	40
40	2870	2940	3010	3080	3150	3220	3290	3360	3430	3500	50
50	3570	3640	3710	3780	3850	3920	3990	4060	4130	4200	60
60	4270	4340	4410	4480	4550	4620	4690	4760	4830	4900	70
70	4970	5040	5110	5180	5250	5320	5390	5460	5530	5600	80
80	5670	5740	5810	5880	5950	6020	6090	6160	6230	6300	90
90	6370	6440	6510	6580	6650	6720	6790	6860	6930	7000	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2½x14
3x10
Shingles.
3x12
6x6

2½ × 14 = 26

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	75⅚	151⅔	227½	303⅓	379⅙	455	530⅚	606⅔	682½	758⅓	10
10	834⅓	910	985⅚	1061⅔	1137½	1213⅓	1289⅙	1365	1440⅚	1516⅔	20
20	1592½	1668⅓	1744⅙	1820	1895⅚	1971⅔	2047½	2123⅓	2199⅙	2275	30
30	2350⅚	2426⅔	2502½	2578⅓	2654⅙	2730	2805⅚	2881⅔	2957½	3033⅓	40
40	3109⅙	3185	3260⅚	3336⅔	3412½	3488⅓	3564⅙	3640	3715⅚	3791⅔	50
50	3867½	3943⅓	4019⅙	4095	4170⅚	4246⅔	4322½	4398⅓	4474⅙	4550	60
60	4625⅚	4701⅔	4777½	4853⅓	4929⅙	5005	5080⅚	5156⅔	5232½	5308⅓	70
70	5384⅙	5460	5535⅚	5611⅔	5687½	5763⅓	5839⅙	5915	5990⅚	6066⅔	80
80	6142½	6218⅓	6294⅙	6370	6445⅚	6521⅔	6597½	6673⅓	6749⅙	6825	90
90	6900⅚	6976⅔	7052½	7128⅓	7204⅙	7280	7355⅚	7431⅔	7507½	7583⅓	100

2½ × 14 = 28

	81⅔	163⅓	245	326⅔	408⅓	490	571⅔	653⅓	735	816⅔	10
10	898⅓	980	1061⅔	1143⅓	1225	1306⅔	1388⅓	1470	1551⅔	1633⅓	20
20	1715	1796⅔	1878⅓	1960	2041⅔	2123⅓	2205	2286⅔	2368⅓	2450	30
30	2531⅔	2613⅓	2695	2776⅔	2858⅓	2940	3021⅔	3103⅓	3185	3266⅔	40
40	3348⅓	3430	3511⅔	3593⅓	3675	3756⅔	3838⅓	3920	4001⅔	4083⅓	50
50	4165	4246⅔	4328⅓	4410	4491⅔	4573⅓	4655	4736⅔	4818⅓	4900	60
60	4981⅔	5063⅓	5145	5226⅔	5308⅓	5390	5471⅔	5553⅓	5635	5716⅔	70
70	5798⅓	5880	5961⅔	6043⅓	6125	6206⅔	6288⅓	6370	6451⅔	6533⅓	80
80	6615	6696⅔	6778⅓	6860	6941⅔	7023⅓	7105	7186⅔	7268⅓	7350	90
90	7431⅔	7513⅓	7595	7676⅔	7758⅓	7840	7921⅓	8003⅓	8085	8166⅔	100

2½ × 14 = 30

	87½	175	262½	350	437½	525	612½	700	787½	875	10
10	962½	1050	1137½	1225	1312½	1400	1487½	1575	1662½	1750	20
20	1837½	1925	2012½	2100	2187½	2275	2362½	2450	2537½	2625	30
30	2712½	2800	2887½	2975	3062½	3150	3237½	3325	3412½	3500	40
40	3587½	3675	3762½	3850	3937½	4025	4112½	4200	4287½	4375	50
50	4462½	4550	4637½	4725	4812½	4900	4987½	5075	5162½	5250	60
60	5337½	5425	5512½	5600	5687½	5775	5862½	5950	6037½	6125	70
70	6212½	6300	6387½	6475	6562½	6650	6737½	6825	6912½	7000	80
80	7087½	7175	7262½	7350	7437½	7525	7612½	7700	7787½	7875	90
90	7962½	8050	8137½	8225	8312½	8400	8487½	8575	8662½	8750	100

For greater number of pieces than given above, add a cipher to the right of the number of feet in the lower corresponding number of pieces if there is no fraction. For the fraction 1-6, drop the fraction and add 1⅔; for 5-6, add 8⅓; for ½, add 5; for ⅓, add 3⅓; for ⅔, add 6⅔. Thus, to find number of feet in 610 pieces of 2½ x 14 = 26 feet long: In table above find number of feet in 61 pieces, which is 4625 5-6; drop the 5-6 and put 8⅓ to the right, making 46258⅓, the number of feet in 610 pieces. For 617 pieces, add the number of feet in 7 pieces to above.

The lumber tables work equally well for dollars and cents, by using decimal points, thus: For cost of 210 yards of goods at 75 5-6 cents per yard—21 yards would cost $15.92½ (see table); 210 yards, $159.25.

Size	Lth
7 x26	- 5
13 x14	- 5
2½x52	- 7
5 x26	- 7
10 x13	- 7
3¼x28	-10
6½x14	-10
7 x13	-10
1¼x56	-13
2½x28	-13
5 x14	-13
7 x10	-13
1¼x52	-14
2½x26	-14
5 x13	-14
6½x10	-14
1 x35	-26
1¼x28	-26
2 x17½	-26
2½x14	-26
3½x10	-26
5 x 7	-26
½x52	-35
1 x26	-35
2 x13	-35
2½x56	- 7
3½x40	- 7
5 x28	- 7
7 x20	- 7
10 x14	- 7
2½x28	-14
3½x20	-14
5 x14	-14
7 x10	-14
1¼x28	-28
2½x14	-28
3½x10	-28
5 x 7	-28
1 x28	-35
2 x14	-35
3½x 8	-35
4 x 7	-35
1 x20	-49
2 x10	-49
2½x 8	-49
4 x 5	-49
3 x25	-14
5 x15	-14
5 x14	-15
7 x10	-15
2 x25	-21
4 x12½	-21
1 x42	-25
2 x21	-25
5¼x 8	-25
6 x 7	-25
1¼x28	-30
2½x14	-30
3½x10	-30
5 x 7	-30
2 x15	-35
3 x10	-35
3¾x 8	-35
1 x25	-42
1¼x20	-42
2½x10	-42
5 x 5	-42
1 x21	-50
3 x 7	-50

For Complete Table, See Page 86.

Size	Lth
12	x30 - 1
15	x24 - 1
10	x18 - 2
12	x15 - 2
6	x20 - 3
10	x12 - 3
5	x18 - 4
6	x15 - 4
9	x10 - 4
4	x18 - 5
8	x 9 - 5
3	x20 - 6
6	x10 - 6
3	-15 - 8
5	x 9 - 8
1	x40 - 9
2	x20 - 9
1	x36 -10
2	x18 -10
4	x 9 -10
6	x 6 -10
5	x 6 -12
1	x24 -15
2	x12 -15
3	x 8 -15

3 x 10 = 12

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	30	60	90	120	150	180	210	240	270	300	10
10	330	360	390	420	450	480	510	540	570	600	20
20	630	660	690	720	750	780	810	840	870	900	30
30	930	960	990	1020	1050	1080	1110	1140	1170	1200	40
40	1230	1260	1290	1320	1350	1380	1410	1440	1470	1500	50
50	1530	1560	1590	1620	1650	1680	1710	1740	1770	1800	60
60	1830	1860	1890	1920	1950	1980	2010	2040	2070	2100	70
70	2130	2160	2190	2220	2250	2280	2310	2340	2370	2400	80
80	2430	2460	2490	2520	2550	2580	2610	2640	2670	2700	90
90	2730	2760	2790	2820	2850	2880	2910	2940	2970	3000	100

For Other Sizes, See Table No. 4.

Size	Lth
2	x10 -21
1	x21 -20
2	x10½-20
3	x 7 -20
1¼	x14 -24
2½	x 7 -24
1	x15 -28
1¼	x12 -28
2	x 7½-28
2½	x 6 -28
3	x 5 -28
1	x14 -30
2	x 7 -30
3½	x 4 -30
1	x12 -35
2	x 6 -35
3	x 4 -35
1	x10 - 42

3 × 10 = 14

	35	70	105	140	175	210	245	280	315	350	10
10	385	420	455	490	525	560	595	630	665	700	20
20	735	770	805	840	875	910	945	980	1015	1050	30
30	1085	1120	1155	1190	1225	1260	1295	1330	1365	1400	40
40	1435	1470	1505	1540	1575	1610	1645	1680	1715	1750	50
50	1785	1820	1855	1890	1925	1960	1995	2030	2065	2100	60
60	2135	2170	2205	2240	2275	2310	2345	2380	2415	2450	70
70	2485	2520	2555	2590	2625	2660	2695	2730	2765	2800	80
80	2835	2870	2905	2940	2975	3010	3045	3080	3115	3150	90
90	3185	3220	3255	3290	3325	3360	3395	3430	3465	3500	100

See Also Pages 83—96, Table No. 1.

Size	Lth
16	x30 - 1
20	x24 - 1
5	x48 - 2
6	x40 - 2
10	x24 - 2
12	x20 - 2
15	x16 - 2
5	x32 - 3
8	x20 - 3
10	x16 - 3
3	x40 - 4
4	x30 - 4
5	x24 - 4
6	x20 - 4
7½	x16 - 4
8	x15 - 4
10	x12 - 4
8	x12 - 5

3 × 10 = 16

	40	80	120	160	200	240	280	320	360	400	10
10	440	480	520	560	600	640	680	720	760	800	20
20	840	880	920	960	1000	1040	1080	1120	1160	1200	30
30	1240	1280	1320	1360	1400	1440	1480	1520	1560	1600	40
40	1640	1680	1720	1760	1800	1840	1880	1920	1960	2000	50
50	2040	2080	2120	2160	2200	2240	2280	2320	2360	2400	60
60	2440	2480	2520	2560	2600	2640	2680	2720	2760	2800	70
70	2840	2880	2920	2960	3000	3040	3080	3120	3160	3200	80
80	3240	3280	3320	3360	3400	3440	3480	3520	3560	3600	90
90	3640	3680	3720	3760	3800	3840	3880	3920	3960	4000	100

Size	Lth
1	x36 -15
2	x18 -15
3	x12 -15
4	x 9 -15
6	x 6 -15
2½	x12 -18
5	x 6 -18
1¼	x18 -24
2½	x 9 -24
4½	x 5 -24
1	x20 -27
2	x10 -27
4	x 5 -27
1	x18 -30
1½	x12 -30
2	x 9 -30
4	x 4½-30
1	x12 -45
2	x 6 -45
3	x 4 -45

3 × 10 = 18

	45	90	135	180	225	270	315	360	405	450	10
10	495	540	585	630	675	720	765	810	855	900	20
20	945	990	1035	1080	1125	1170	1215	1260	1305	1350	30
30	1395	1440	1485	1530	1575	1620	1665	1710	1755	1800	40
40	1845	1890	1935	1980	2025	2070	2115	2160	2205	2250	50
50	2295	2340	2385	2430	2475	2520	2565	2610	2655	2700	60
60	2745	2790	2835	2880	2925	2970	3015	3060	3105	3150	70
70	3195	3240	3285	3330	3375	3420	3465	3510	3555	3600	80
80	3645	3690	3735	3780	3825	3870	3915	3960	4005	4050	90
90	4095	4140	4185	4230	4275	4320	4365	4410	4455	4500	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

3x10 Shingles.

3x12 6x6

3 x 10 / 2½x 12 / 5 x 6 / 2 x 15 = 20

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	50	100	150	200	250	300	350	400	450	500	10
10	550	600	650	700	750	800	850	900	950	1000	20
20	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	30
30	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	40
40	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	50
50	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	60
60	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	70
70	3550	3600	3650	3700	3750	3800	3850	3900	3950	4000	80
80	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	90
90	4550	4600	4650	4700	4750	4800	4850	4900	4950	5000	100

3 × 10 = 22

	55	110	165	220	275	330	385	440	495	550	10
10	605	660	715	770	825	880	935	990	1045	1100	20
20	1155	1210	1265	1320	1375	1430	1485	1540	1595	1650	30
30	1705	1760	1815	1870	1925	1980	2035	2090	2145	2200	40
40	2255	2310	2365	2420	2475	2530	2585	2640	2695	2750	50
50	2805	2860	2915	2970	3025	3080	3135	3190	3245	3300	60
60	3355	3410	3465	3520	3575	3630	3685	3740	3795	3850	70
70	3905	3960	4015	4070	4125	4180	4235	4290	4345	4400	80
80	4455	4510	4565	4620	4675	4730	4785	4840	4895	4950	90
90	5005	5060	5115	5170	5225	5280	5335	5390	5445	5500	100

3×10=24

	60	120	180	240	300	360	420	480	540	600	10
10	660	720	780	840	900	960	1020	1080	1140	1200	20
20	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	30
30	1860	1920	1980	2040	2100	2160	2220	2280	2340	2400	40
40	2460	2520	2580	2640	2700	2760	2820	2880	2940	3000	50
50	3060	3120	3180	3240	3300	3360	3420	3480	3540	3600	60
60	3660	3720	3780	3840	3900	3960	4020	4080	4140	4200	70
70	4260	4320	4380	4440	4500	4560	4620	4680	4740	4800	80
80	4860	4920	4980	5040	5100	5160	5220	5280	5340	5400	90
90	5460	5520	5580	5640	5700	5760	5820	5880	5940	6000	100

3×10=26

	65	130	195	260	325	390	455	520	585	650	10
10	715	780	845	910	975	1040	1105	1170	1235	1300	20
20	1365	1430	1495	1560	1625	1690	1755	1820	1885	1950	30
30	2015	2080	2145	2210	2275	2340	2405	2470	2535	2600	40
40	2665	2730	2795	2860	2925	2990	3055	3120	3185	3250	50
50	3315	3380	3445	3510	3575	3640	3705	3770	3835	3900	60
60	3965	4030	4095	4160	4225	4290	4355	4420	4485	4550	70
70	4615	4680	4745	4810	4875	4940	5005	5070	5135	5200	80
80	5265	5330	5395	5460	5525	5590	5655	5720	5785	5850	90
90	5915	5980	6045	6110	6175	6240	6305	6370	6435	6500	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth	
20	x30	- 1
24	x25	- 1
12	x25	- 2
15	x20	- 2
10	x30	- 2
8	x25	- 3
10	x20	- 3
12	x12½	- 4
4	x30	- 5
5	x24	- 5
8	x15	- 5
10	x12	- 5
4	x25	- 6
5	x20	- 6
8	x12½	- 6
10	x10	- 6
3	x25	- 7
5	x15	- 7
6	x12½	- 7
7½	x10	- 8
3	x20	- 10
4	x15	- 10
6	x10	- 10

See Also Page 84, Table No. 2.

2	x30	- 11
4	x15	- 11
7½	x 8	- 11
2	x22	- 15
4	x11	- 15
5½	x 8	- 15
3	x11	- 20
5½	x 6	- 20
1¼	x24	- 22
2½	x12	- 22
4	x 7½	- 22
2½	x11	- 24
2	x11	- 30
2	x10	- 33
4	x 5	- 33
1	x15	- 44
2	x 7½	- 44
3	x 5	- 44

4½	x20	- 8
5	x18	- 8
9	x10	- 8
4	x20	- 9
5	x16	- 9
8	x10	- 9
1½	x18	- 10
3	x24	- 10
4	x18	- 10
6	x12	- 10
8	x 9	- 10
1½	x10	- 12
2	x30	- 12
3	x20	- 12
4	x15	- 12
5	x12	- 12
6	x10	- 12
6	x 8	- 12

See Also Page 97, Table No. 2. Page 107, Table No. 1.

5	x26	- 6
5	x13	- 12
6½	x10	- 12
2	x30	- 13
3	x20	- 13
4	x15	- 13
6	x10	- 13
7½	x 8	- 13
2	x26	- 15
4	x13	- 15
3	x13	- 20
6	x 6½	- 20
1	x30	- 23
1¼	x24	- 23
2	x15	- 23
2½	x12	- 23
3	x10	- 23
5	x 6	- 23
1	x26	- 30
2	x13	- 30
4	x 6½	- 30

Page 104

Size Lth

28 x30 - 1
14 x30 - 2
6 x28 - 5
12 x14 - 5
10 x14 - 6
8 x15 - 7
5 x21 - 8
6 x14 -10
8 x10½-10
7 x10 -12
4 x15 -14
7½x 8 -14
6 x10 -14
2 x28 -15
3½x16 -15
4 x14 -15
7 x 8 -15
1½x28 -20
2 x21 -20
3 x14 -20
4 x10½-20
6 x 7 -20
3½x12 -20
5¼x 8 -20
2 x20 -21
4 x25 - 9
8 x12½- 9
1½x60 -10
3 x30 -10
6 x15 -10
7½x12 -10
1½x50 -12
3 x25 -12
6 x12½-12
6¼x12 -12
1 x60 -15
1½x40 -15
2 x30 -15
3 x20 -15
4 x15 -15
6 x10 -15
7½x 8 -15
1 x50 -18
2 x25 -18
4 x12½-18
1 x36 -25
2 x18 -25
4½x 8 -25
4 x 9 -25
1 x30 -30
1½x20 -30
2 x15 -30
3 x10 -30
1 x20 -45
2 x10 -45
4 x 5 -45
1 x18 -50
2 x 9 -50
4 x 4½-50

See Also Page 101, Tables No. 1 and 4.

3 x 10
2½x 12
5 x 6
2 x 15 = 28

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	70	140	210	280	350	420	490	560	630	700	**10**
10	770	840	910	980	1050	1120	1190	1260	1330	1400	**20**
20	1470	1540	1610	1680	1750	1820	1890	1960	2030	2100	**30**
30	2170	2240	2310	2380	2450	2520	2590	2660	2730	2800	**40**
40	2870	2940	3010	3080	3150	3220	3290	3360	3430	3500	**50**
50	3570	3640	3710	3780	3850	3920	3990	4060	4130	4200	**60**
60	4270	4340	4410	4480	4550	4620	4690	4760	4830	4900	**70**
70	4970	5040	5110	5180	5250	5320	5390	5460	5530	5600	**80**
80	5670	5740	5810	5880	5950	6020	6090	6160	6230	6300	**90**
90	6370	6440	6510	6580	6650	6720	6790	6860	6930	7000	**100**

3 × 10 = 30

	75	150	225	300	375	450	525	600	675	750	**10**
10	825	900	975	1050	1125	1200	1275	1350	1425	1500	**20**
20	1575	1650	1725	1800	1875	1950	2025	2100	2175	2250	**30**
30	2325	2400	2475	2550	2625	2700	2775	2850	2925	3000	**40**
40	3075	3150	3225	3300	3375	3450	3525	3600	3675	3750	**50**
50	3825	3900	2975	4050	4125	4200	4275	4350	4425	4500	**60**
60	4575	4650	4725	4800	4875	4950	5025	5100	5175	5250	**70**
80	5325	5400	5475	5550	5625	5700	5775	5850	5925	6000	**80**
90	6075	6150	6225	6300	6375	6450	6525	6600	6675	6750	**90**
	6825	6900	6975	7050	7125	7200	7275	7350	7425	7500	**100**

Shingles Required for any Building.

To obtain number of shingles required for any size building: Multiply width and length of roof together, and multiply answer given by number here given for number of inches laid to weather, and you have correct number of shingles required.

4 inches laid to weather, multiply by 9
4½ " " " " 8
5 " " " " 7 1-5
5½ " " " " 6 1-2
6 " " " " 6

EXAMPLES.—Roof size, 14 x 16

14
64
16
224
9
2016 shingles.

For 4 inches laid to weather multiply by

Same size roof, 4½ inches to weather, 14 x 16

14
64
16
224
8
1792 shingles.

4½ inches to weather multiply by

Roof 16 x 32, shingles laid 5 inches to weather.

16
192
32
512
7 1-5
3584
102 2-5
3686 shingles.

Multiply by

For other information about Shingles see page 243. For length of Rafters see pages 838 to 841.

Shingles.

3x12
6x6

3 x 12 / 6 x 6 / 4 x 9 = 12

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	36	72	108	144	180	216	252	288	324	360	10
10	396	432	468	504	540	576	612	648	684	720	20
20	756	792	828	864	900	936	972	1008	1044	1080	30
30	1116	1152	1188	1224	1260	1296	1332	1368	1404	1440	40
40	1476	1512	1548	1584	1620	1656	1692	1728	1764	1800	50
50	1836	1872	1908	1944	1980	2016	2052	2088	2124	2160	60
60	2196	2232	2268	2304	2340	2376	2412	2448	2484	2520	70
70	2556	2592	2628	2664	2700	2736	2772	2808	2844	2880	80
80	2916	2952	2988	3024	3060	3096	3132	3168	3204	3240	90
90	3276	3312	3348	3384	3420	3456	3492	3528	3564	3600	100

3 × 12 = 14

	42	84	126	168	210	252	294	336	378	420	10
10	462	504	546	588	630	672	714	756	798	840	20
20	882	924	966	1008	1050	1092	1134	1176	1218	1260	30
30	1302	1344	1386	1428	1470	1512	1554	1596	1638	1680	40
40	1722	1764	1806	1848	1890	1932	1974	2016	2058	2100	50
50	2142	2184	2226	2268	2310	2352	2394	2436	2478	2520	60
60	2562	2604	2646	2688	2730	2772	2814	2856	2898	2940	70
70	2982	3024	3066	3108	3150	3192	3234	3276	3318	3360	80
80	3402	3444	3486	3528	3570	3612	3654	3696	3738	3780	90
90	3822	3864	3906	3948	3990	4032	4074	4116	4158	4200	100

3 × 12 = 16

	48	96	144	192	240	288	336	384	432	480	10
10	528	576	624	672	720	768	816	864	912	960	20
20	1008	1056	1104	1152	1200	1248	1296	1344	1392	1440	30
30	1488	1536	1584	1632	1680	1728	1776	1824	1872	1920	40
40	1968	2016	2064	2112	2160	2208	2256	2304	2352	2400	50
50	2448	2496	2544	2592	2640	2688	2736	2784	2832	2880	60
60	2928	2976	3024	3072	3120	3168	3216	3264	3312	3360	70
70	3408	3456	3504	3552	3600	3648	3696	3744	3792	3840	80
80	3888	3936	3984	4032	4080	4128	4176	4224	4272	4320	90
90	4368	4416	4464	4512	4560	4608	4656	4704	4752	4800	100

3 × 12 = 18

	54	108	162	216	270	324	378	432	486	540	10
10	594	648	702	756	810	864	918	972	1026	1080	20
20	1134	1188	1242	1296	1350	1404	1458	1512	1566	1620	30
30	1674	1728	1782	1836	1890	1944	1998	2052	2106	2160	40
40	2214	2268	2322	2376	2430	2484	2538	2592	2646	2700	50
50	2754	2808	2862	2916	2970	3024	3078	3132	3186	3240	60
60	3294	3348	3402	3456	3510	3564	3618	3672	3726	3780	70
70	3834	3888	3942	3996	4050	4104	4158	4212	4266	4320	80
80	4374	4428	4482	4536	4590	4644	4698	4752	4806	4860	90
90	4914	4968	5022	5076	5130	5184	5238	5292	5346	5400	100

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
9 x48	- 1
8 x54	- 1
12 x36	- 1
16 x27	- 1
18 x24	- 1
6 x36	- 2
9 x24	- 2
8 x27	- 2
12 x18	- 2
3 x48	- 3
6 x24	- 3
8 x18	- 3
9 x16	- 3
2 x54	- 3
2¼x48	- 3
3 x36	- 3
4 x27	- 3
6¾x16	- 3
6 x18	- 3
8 x13½	- 3
9 x12	- 3
1½x48	- 3
3 x24	- 4
4 x18	- 4

For Complete Table, See Page 95.

12 x21	- 3
6 x28	- 3
7 x24	- 3
8 x21	- 3
12 x14	- 3
6 x21	- 3
6 x14	- 3
4 x18	- 3
8 x 9	- 3
7 x 9	- 3
7 x 8	- 3
2 x21	- 12
3 x14	- 12
6 x 7	- 12
2 x18	- 14
3 x12	- 14
4 x 9	- 14
4 x 7	- 18

See Also Page 99, Table No. 4.

1 x48	- 12
2 x24	- 12
3 x16	- 12
4 x12	- 12
6 x 8	- 12
1 x36	- 16
1½x24	- 16
2 x18	- 16
2¼x16	- 16
3 x12	- 16
4 x 9	- 16
4½x 8	- 16
6 x 6	- 16
1 x32	- 18
2 x16	- 18
4 x 8	- 18
1 x24	- 24
2 x12	- 24

See Page 97, Table No. 1.

24 x27	- 1
8 x27	- 3
6 x27	- 4
9 x18	- 4
6 x27	- 4
4 x27	- 6
6 x18	- 6
3 x27	- 8
9 x 9	- 8
3 x24	- 9
4 x18	- 9
8 x 9	- 9
6 x 9	- 12
3 x12	- 18
3 x 9	- 24
1 x24	- 27
2 x12	- 27
3 x 8	- 27
1 x18	- 36
1½x12	- 36
2 x 9	- 36

See Also Page 109, Table No. 4.

24 x30 - 1
12 x30 - 2
15 x24 - 2
18 x20 - 2
8 x30 - 3
10 x24 - 3
12 x20 - 3
15 x16 - 3
6 x30 - 4
9 x20 - 4
10 x18 - 4
12 x15 - 4
8 x24 - 5
8 x18 - 5
12 x12 - 5
4 x30 - 6
5 x24 - 6
6 x20 - 6
8 x15 - 6
10 x12 - 6
3 x30 - 8
6 x15 - 8
9 x10 - 8

$\begin{matrix}3\\6\\4\end{matrix} \times \begin{matrix}12\\6\\9\end{matrix} = 20$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	
	60	120	180	240	300	360	420	480	540	600	**10**
10	660	720	780	840	900	960	1020	1080	1140	1200	**20**
20	1260	1320	1380	1440	1500	1560	1620	1680	1740	1800	**30**
30	1860	1920	1980	2040	2100	2160	2220	2280	2340	2400	**40**
40	2460	2520	2580	2640	2700	2760	2820	2880	2940	3000	**50**
50	3060	3120	3180	3240	3300	3360	3420	3480	3540	3600	**60**
60	3660	3720	3780	3840	3900	3960	4020	4080	4140	4200	**70**
70	4260	4320	4380	4440	4500	4560	4620	4680	4740	4800	**80**
80	4860	4920	4980	5040	5100	5160	5220	5280	5340	5400	**90**
90	5460	5520	5580	5640	5700	5760	5820	5880	5940	6000	**100**

11 x12 - 6
2 x11 - 8
8 x 9 -11
2 x22 -18
4 x11 -18
5½x 8 -18
12 x18 -22
3 x12 -22
4 x 9 -22
6 x 6 -22
2 x11 -24
4 x 6 -33
2 x11 -36
4 x 5½-36
1 x18 -44
2 x 9 -44
2 x 6 -44
4 x 4½-44

3×12=22

	66	132	198	264	330	396	462	528	594	660	**10**
10	726	792	858	924	990	1056	1122	1188	1254	1320	**20**
20	1386	1452	1518	1584	1650	1716	1782	1848	1914	1980	**30**
30	2046	2112	2178	2244	2310	2376	2442	2508	2574	2640	**40**
40	2706	2772	2838	2904	2970	3036	3102	3168	3234	3300	**50**
50	3366	3432	3498	3564	3630	3696	3762	3828	3894	3960	**60**
60	4026	4092	4158	4224	4290	4356	4422	4488	4554	4620	**70**
70	4686	4752	4818	4884	4950	5016	5082	5148	5214	5280	**80**
80	5346	5412	5478	5544	5610	5676	5742	5808	5874	5940	**90**
90	6006	6072	6138	6204	6270	6336	6402	6468	6534	6600	**100**

8 x 9 -12
12 x27 -16
4 x13½-16
4 x12 -18
6 x 8 -18
3 x12 -24
4 x 9 -24
6 x 6 -24
2 x16 -27
4 x 8 -27
3 x 9 -32
2 x12 -36
4 x 8 -36
1½x16 -36
1 x18 -48
1½x12 -48
2 x 9 -48
3 x 6 -48

3×12=24

	72	144	216	288	360	432	504	576	648	720	**10**
10	792	864	936	1008	1080	1152	1224	1296	1368	1440	**20**
20	1512	1584	1656	1728	1800	1872	1944	2016	2088	2160	**30**
30	2232	2304	2376	2448	2520	2592	2664	2736	2808	2880	**40**
40	2952	3024	3096	3168	3240	3312	3384	3456	3528	3600	**50**
50	3672	3744	3816	3888	3960	4032	4104	4176	4248	4320	**60**
60	4392	4464	4536	4608	4680	4752	4824	4896	4968	5040	**70**
70	5112	5184	5256	5328	5400	5472	5544	5616	5688	5760	**80**
80	5832	5904	5976	6048	6120	6192	6264	6336	6408	6480	**90**
90	6552	6624	6696	6768	6840	6912	6984	7056	7128	7200	**100**

4 x26 - 9
8 x13 - 9
12 x 6½-12
4½x16 -13
8 x 9 -13
2 x26 -18
4 x13 -18
6½x 8 -18
3 x13 -24
6 x 6½-24
1 x36 -26
2 x18 -26
3 x12 -26
4 x 9 -26
4½x 8 -26
1 x26 -36
2 x13 -36
2¼x 8 -36
4 x 6½-36
1 x24 -39
1½x16 -39
2 x12 -39

3×12=26

	78	156	234	312	390	468	546	624	702	780	**10**
10	858	936	1014	1092	1170	1248	1326	1404	1482	1560	**20**
20	1638	1716	1794	1872	1950	2028	2106	2184	2262	2340	**30**
30	2418	2496	2574	2652	2730	2808	2886	2964	3042	3120	**40**
40	3198	3276	3354	3432	3510	3588	3666	3744	3822	3900	**50**
50	3978	4056	4134	4212	4290	4368	4446	4524	4602	4680	**60**
60	4758	4836	4914	4992	5070	5148	5226	5304	5382	5460	**70**
70	5538	5616	5694	5772	5850	5928	6006	6084	6162	6240	**80**
80	6318	6396	6474	6552	6630	6708	6786	6864	6942	7020	**90**
90	7098	7176	7254	7332	7410	7488	7566	7644	7722	7800	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

3x12
6x6

$$\begin{matrix}3\\6\\4\end{matrix}\ \times\ \begin{matrix}12\\6\\9\end{matrix} = 28$$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	84	168	252	336	420	504	588	672	756	840	**10**
10	924	1008	1092	1176	1260	1344	1428	1512	1596	1680	**20**
20	1764	1848	1932	2016	2100	2184	2268	2352	2436	2520	**30**
30	2604	2688	2772	2856	2940	3024	3108	3192	3276	3360	**40**
40	3444	3528	3612	3696	3780	3864	3948	4032	4116	4200	**50**
50	4284	4368	4452	4536	4620	4704	4788	4872	4956	5040	**60**
60	5124	5208	5292	5376	5460	5544	5628	5712	5796	5880	**70**
70	5964	6048	6132	6216	6300	6384	6468	6552	6636	6720	**80**
80	6804	6888	6972	7056	7140	7224	7308	7392	7476	7560	**90**
90	7644	7728	7812	7896	7980	8064	8148	8232	8316	8400	**100**

$$3 \times 12 = 30$$

	90	180	270	360	450	540	630	720	810	900	**10**
10	990	1080	1170	1260	1350	1440	1530	1620	1710	1800	**20**
20	1890	1980	2070	2160	2250	2340	2430	2520	2610	2700	**30**
30	2790	2880	2970	3060	3150	3240	3330	3420	3510	3600	**40**
40	3690	3780	3870	3960	4050	4140	4230	4320	4410	4500	**50**
50	4590	4680	4770	4860	4950	5040	5130	5220	5310	5400	**60**
60	5490	5580	5670	5760	5850	5940	6030	6120	6210	6300	**70**
70	6390	6480	6570	6660	6750	6840	6930	7020	7110	7200	**80**
80	7290	7380	7470	7560	7650	7740	7830	7920	8010	8100	**90**
90	8190	8280	8370	8460	8550	8640	8730	8820	8910	9000	**100**

Rules for obtaining number of feet flooring, siding, ceiling or ship lap required for any size building:

Multiply width and length together and divide by number given for width of face; add the two answers and you have the answer in feet.

3¼ inch face, worked from	4 inches,	Divide by 4
3½ " " "	4 "	" " 7
4½ " " "	6 "	" " 3
4¾ " " "	6 "	" " 4
5 " " "	6 "	" " 5
5¼ " " "	6 "	" " 6
5½ " " "	6 "	" " 11
7¼ " " "	8 "	" " 9
7½ " " "	8 "	" " 14
9¼ " " "	10 "	" " 12
9½ " " "	10 "	" " 18
11¼ " " "	12 "	" " 15
11½ " " "	12 "	" " 22

EXAMPLE: Building, 24 x 36 — 5¼ face flooring.

24
36
144
72
864

6) 864
144

No. feet flooring, 1008

For siding add length and width, and multiply by height.

EXAMPLE: Building 16 x 24 feet, 14 feet high, 4½ inches to weather.

Two ends,	32	80
Two sides,	48	14
	80	320
		80
		1120

3) 1120
373

1493 ft. siding.

NOTE.—Siding, flooring, ceiling and ship lap are counted from width of lumber. It is worked from a strip 6 inches wide, 12 feet long, containing 6 feet. If worked to 5¼ would contain but 5½ feet, but in most markets would be counted 6 feet.

See also pages 243 and 244.

Size	Lth
3 x	24 -14
4 x	18 -14
8 x	9 -14
3 x	21 -16
2 x	28 -18
4 x	14 -18
7 x	8 -18
2 x	24 -21
3 x	16 -21
6 x	8 -21
2 x	21 -24
3 x	14 -24
6 x	7 -24
2 x	18 -28
3 x	12 -28
6 x	6 -28
1 x	28 -36
4 x	7 -36
3 x	8 -42
4 x	6 -42
1 x	21 -48
3 x	7 -48
3½ x	6 -48
6 x	15 -12
4 x	18 -15
8 x	9 -15
2 x	30 -18
3 x	20 -18
2 x	27 -20
4 x	13½ -20
6 x	9 -20
4 x	10 -27
5 x	8 -27
2 x	18 -30
2¼ x	16 -30
4½ x	8 -30
4 x	9 -30
2 x	15 -36
4 x	7½ -36
1 x	27 -40
1½ x	18 -40
3 x	9 -40
4½ x	6 -40
1 x	24 -45
2 x	12 -45
3 x	8 -45
4 x	6 -45

See Page 94, Table

Size Lth

16 x18 - 2
12 x16 - 3
8 x18 - 4
9 x16 - 4
6 x16 - 6
8 x12 - 6
4 x18 - 8
4½x16 - 8
8 x 9 - 8
2 x32 - 9
4 x16 - 9
8 x 8 - 9
2 x24 -12
3 x16 -12
4 x12 -12
6 x 8 -12
2 x18 -16

Also Page 97, Table No. 1.

6 x 8 / 4 x 12 / 3 x 16 = 12

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	48	96	144	192	240	288	336	384	432	480	10
10	528	576	624	672	720	768	816	864	912	960	20
20	1008	1056	1104	1152	1200	1248	1296	1344	1392	1440	30
30	1488	1536	1584	1632	1680	1728	1776	1824	1872	1920	40
40	1968	2016	2064	2112	2160	2208	2256	2304	2352	2400	50

Page 100, Table No. 2.

24 x28 - 1
6 x56 - 2
12 x28 - 2
14 x24 - 2
16 x21 - 2
4 x56 - 3
7 x32 - 3
8 x28 - 3
14 x16 - 3
7 x24 - 4
6 x28 - 4
8 x21 - 4

6×8 = 14

	56	112	168	224	280	336	392	448	504	560	10
10	616	672	728	784	840	896	952	1008	1064	1120	20
20	1176	1232	1288	1344	1400	1456	1512	1568	1624	1680	30
30	1736	1792	1848	1904	1960	2016	2072	2128	2184	2240	40
40	2296	2352	2408	2464	2520	2576	2632	2688	2744	2800	50

8 x12 - 8
6 x16 - 8
4 x16 -12
8 x 8 -12
3 x16 -16
6 x 8 -16
2 x12 -32
3 x 8 -32
4 x 6 -32
1 x16 -48
2 x 8 -48
4 x 4 -48

6×8= 16

	64	128	192	256	320	384	448	512	576	640	10
10	704	768	832	896	960	1024	1088	1152	1216	1280	20
20	1344	1408	1472	1536	1600	1664	1728	1792	1856	1920	30
30	1984	2048	2112	2176	2240	2304	2368	2432	2496	2560	40
40	2624	2688	2752	2816	2880	2944	3008	3072	3136	3200	50

See Also Page 107, Table No. 3.

3 x16 -18
6 x 8 -18
2 x18 -24
4 x 9 -24
2 x16 -27
4 x 6 -27
1 x24 -36
2 x12 -36
3 x 8 -36
4 x 6 -36
1 x18 -48
2 x 9 -48

6×8= 18

	72	144	216	288	360	432	504	576	648	720	10
10	792	864	936	1008	1080	1152	1224	1296	1368	1440	20
20	1512	1584	1656	1728	1800	1872	1944	2016	2088	2160	30
30	2232	2304	2376	2448	2520	2592	2664	2736	2808	2880	40
40	2952	3024	3096	3168	3240	3312	3384	3456	3528	3600	50

4 x12 -24
4 x10 -24
1 x32 -30
2 x16 -30
4 x 8 -30
1 x30 -32
2 x15 -32
2 x12 -40
3 x 8 -40
4 x 6 -40
1 x20 -48
2 x10 -48

6×8 = 20

	80	160	240	320	400	480	560	640	720	800	10
10	880	960	1040	1120	1200	1280	1360	1440	1520	1600	20
20	1680	1760	1840	1920	2000	2080	2160	2240	2320	2400	30
30	2480	2560	2640	2720	2800	2880	2960	3040	3120	3200	40
40	3280	3360	3440	3520	3600	3680	3760	3840	3920	4000	50

6 x22 - 8
4 x22 -12
8 x11 -12
3 x22 -16
6 x11 -16
2 x24 -22
4 x12 -22
3 x16 -22
6 x 8 -22
2 x22 -24
4 x11 -24
3 x11 -32
5½x 6 -32
2 x16 -33
4 x 8 -33
2 x12 -44

6×8 = 22

	88	176	264	352	440	528	616	704	792	880	10
10	968	1056	1144	1232	1320	1408	1496	1584	1672	1760	20
20	1848	1936	2024	2112	2200	2288	2376	2464	2552	2640	30
30	2728	2816	2904	2992	3080	3168	3256	3344	3432	3520	40
40	3608	3696	3784	3872	3960	4048	4136	4224	4312	4400	50

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Flooring
6x8
8x8
8x10
10x10
10x12
12x12
7x9
7x10
1¼ in.
1½ in.
1¾ in.
2 in.
3 in.
4 in.
5 in.
6 in.
7 in.
8 in.
9 in.
10 in.
11 & 12 in.
13 & 14 in.
15 to 17 in.
18 to 24 in.
25 to 30 in.
1 & 2 ft.

6 x 8 / 4 x 12 / 3 x 16 = 24

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	96	192	288	384	480	576	672	768	864	960	10
10	1056	1152	1248	1344	1440	1536	1632	1728	1824	1920	20
20	2016	2112	2208	2304	2400	2496	2592	2688	2784	2880	30
30	2976	3072	3168	3264	3360	3456	3552	3648	3744	3840	40
40	3936	4032	4128	4224	4320	4416	4512	4608	4704	4800	50

6×8 = 26

	104	208	312	416	520	624	728	832	936	1040	10
10	1144	1248	1352	1456	1560	1664	1768	1872	1976	2080	20
20	2184	2288	2392	2496	2600	2704	2808	2912	3016	3120	30
30	3224	3328	3432	3536	3640	3744	3848	3952	4056	4160	40

6×8 = 28

	112	224	336	448	560	672	784	896	1008	1120	10
10	1232	1344	1456	1568	1680	1792	1904	2016	2128	2240	20
20	2352	2464	2576	2688	2800	2912	3024	3136	3248	3360	30
30	3472	3584	3696	3808	3920	4032	4144	4256	4368	4480	40

6×8 = 30

	120	240	360	480	600	720	840	960	1080	1200	10
10	1320	1440	1560	1680	1800	1920	2040	2160	2280	2400	20
20	2520	2640	2760	2880	3000	3120	3240	3360	3480	3600	30
30	3720	3840	3960	4080	4200	4320	4440	4560	4680	4800	40

6×8 = 32

	128	256	384	512	640	768	896	1024	1152	1280	10
10	1408	1536	1664	1792	1920	2048	2176	2304	2432	2560	20
20	2688	2816	2944	3072	3200	3328	3456	3584	3712	3840	30
30	3968	4096	4224	4352	4480	4608	4736	4864	4992	5120	40

6×8 = 34

	136	272	408	544	680	816	952	1088	1224	1360	10
10	1496	1632	1768	1904	2040	2176	2312	2448	2584	2720	20
20	2856	2992	3128	3264	3400	3536	3672	3808	3944	4080	30
30	4216	4352	4488	4624	4760	4896	5032	5168	5304	5440	40

6×8 = 36

	144	288	432	576	720	864	1008	1152	1296	1440	10
10	1584	1728	1872	2016	2160	2304	2448	2592	2736	2880	20
20	3024	3168	3312	3456	3600	3744	3888	4032	4176	4320	30
30	4464	4608	4752	4896	5040	5184	5328	5472	5616	5760	40

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size Lth

16 x24 - 3
16 x18 - 4
12 x24 - 4
12 x16 - 5
8 x24 - 6
8 x18 - 8
9 x16 - 8
12 x12 - 8
8 x16 - 8
6 x16 -12
8 x12 -12
3 x24 -12
4 x18 -12
4½x16 -12
6 x12 -12
8 x 9 -12

12 x26 - 4
8 x26 - 6
6 x26 - 8
16 x13 - 3
4 x13 -24
6½x 8 -24
3 x16 - 8
4 x12 -24
6 x 8 -24
4 x 6½ -48

4 x16 -24
8 x 8 -24
4 x14 -24
3½x16 -24
7 x 8 -28
3 x16 -28
4 x12 -28
6 x 8 -28
4 x 8 -42
4 x 7 -48

4½x20 -16
9 x10 -16
4 x20 -16
5 x16 -16
8 x10 -16
2¼x32 -36
4½x16 -36
8 x 9 -36
3 x16 -36
6 x 8 -36

8 x48 - 4
16 x24 - 4
8 x32 - 6
16 x16 - 6
8 x24 - 8
12 x16 - 8
4 x32 -12
8 x16 -12
6 x16 -16
8 x12 -16

6 x17 -16
8½x12 -16
8 x12 -17
3 x17 -32
6 x 8½ -32
3 x16 -34
4 x12 -34
6 x 8 -34
2 x17 -68
4 x 8½ -68

18 x32 - 3
16 x27 - 4
16 x18 - 6
9 x24 - 8
12 x18 - 8
8 x24 - 9
12 x16 - 9
8 x18 -12
9 x16 -12
12 x12 -12
9 x12 -16
6 x16 -18
8 x12 -18
8 x 9 -24

See Also Page 109, Table No. 3.

Size	Lth
8	x19 -12
6	x19 -16
4	x24 -19
6	x16 -19
8	x12 -19
4	x19 -24
4¾	x16 -24
8	x 9½-24
3	x19 -32
4¾	x12 -32
6	x 9½-32
2	x24 -38
3	x16 -38
4	x12 -38
6	x 8 -38
2	x19 -48
5	x12 -32
6	x10 -32
7½	x 8 -32
2	x24 -40
3	x16 -40
4	x12 -40
6	x 8 -40
2	x20 -48
4	x10 -48
5	x 8 -48
8	x12 - 8
6	x16 - 8
4	x16 -12
3	x16 -16
6	x 8 -16
2	x16 -24
4	x 8 -24
2	x12 -32
3	x 8 -32
4	x 6 -32
1	x16 -48
2	x 8 -48
14	x16 - 4
8	x16 - 7
7	x16 - 8
8	x14 - 8
4	x16 -14
8	x 8 -14
3½	x16 -16
4	x14 -16
7	x 8 -16
2	x16 -28
4	x 8 -28
2	x14 -32
4	x64 - 4
8	x32 - 4
16	x16 - 4
4	x32 - 8
8	x16 - 8
2	x32 -16
4	x16 -16
8	x 8 -16
2	x16 -32
4	x 8 -32
8	x24 - 6
6	x24 - 8
8	x18 - 8
9	x16 - 8
6	x12 -16
8	x 9 -16
4	x16 -18
8	x 8 -18
3	x16 -24
4	x12 -24
6	x 8 -24
3	x12 -32
4	x 9 -32
6	x 6 -32
2	x16 -36
4	x 8 -36
1	x24 -48

See Also Page 109, Table No. 3.

$$\begin{matrix} 6 \times 8 \\ 4 \times 12 \\ 3 \times 16 \end{matrix} = 38$$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	152	304	456	608	760	912	1064	1216	1368	1520	**10**
10	1672	1824	1976	2128	2280	2432	2584	2736	2888	3040	**20**
20	3192	3344	3496	3648	3800	3952	4104	4256	4408	4560	**30**
30	4712	4864	5016	5168	5320	5472	5624	5776	5928	6080	**40**

6 × 8 = 40

	160	320	480	640	800	960	1120	1280	1440	1600	**10**
10	1760	1920	2080	2240	2400	2560	2720	2880	3040	3200	**20**
20	3360	3520	3680	3840	4000	4160	4320	4480	4640	4800	**30**
30	4960	5120	5280	5440	5600	5760	5920	6080	6240	6400	**40**

8 × 8 = 12

	64	128	192	256	320	384	448	512	576	640	**10**
10	704	768	832	896	960	1024	1088	1152	1216	1280	**20**
20	1344	1408	1472	1536	1600	1664	1728	1792	1856	1920	**30**
30	1984	2048	2112	2176	2240	2304	2368	2432	2496	2560	**40**
40	2624	2688	2752	2816	2880	2944	3008	3072	3136	3200	**50**

8 × 8 = 14

	74⅔	149⅓	224	298⅔	373⅓	448	522⅔	597⅓	672	746⅔	**10**
10	821⅓	896	970⅔	1045⅓	1120	1194⅔	1269⅓	1344	1418⅔	1493⅓	**20**
20	1568	1642⅔	1717⅓	1792	1866⅔	1941⅓	2016	2090⅔	2165⅓	2240	**30**
30	2314⅔	2389⅓	2464	2538⅔	2613⅓	2688	2762⅔	2837⅓	2912	2986⅔	**40**
40	3061⅓	3136	3210⅔	3285⅓	3360	3434⅔	3509⅓	3584	3658⅔	3733⅓	**50**

8 × 8 = 16

	85½	170⅔	256	341½	426⅔	512	597½	682⅔	768	853½	**10**
10	938⅔	1024	1109⅓	1194⅔	1280	1365⅓	1450⅔	1536	1621⅓	1706⅔	**20**
20	1792	1877⅓	1962⅔	2048	2133⅓	2218⅔	2304	2389⅓	2474⅔	2560	**30**
30	2645⅓	2730⅔	2816	2901⅓	2986⅔	3072	3157⅓	3242⅔	3328	3413⅓	**40**
40	3498⅔	3584	3669⅓	3754⅔	3840	3925⅓	4010⅔	4096	4181⅓	4266⅔	**50**

8 × 8 = 18

	96	192	288	384	480	576	672	768	864	960	**10**
10	1056	1152	1248	1344	1440	1536	1632	1728	1824	1920	**20**
20	2016	2112	2208	2304	2400	2496	2592	2688	2784	2880	**30**
30	2976	3072	3168	3264	3360	3456	3552	3648	3744	3840	**40**
40	3936	4032	4128	4224	4320	4416	4512	4608	4704	4800	**50**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

8x8
8x10
10x10
10x12
12x12
7x9
7x10
1¼ In.
1½ In.
1¾ In.
2 In.
3 In.
4 In.
5 In.
6 In.
7 In.
8 In.
9 In.
10 In.
11 & 12 In.
13 & 14 In.
15 to 17 In.
18 to 24 In.
25 to 30 In.
1 & 2 ft.

$\frac{8}{4}\times\frac{8}{16}=20$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	106⅔	213⅓	320	426⅔	533⅓	640	746⅔	853⅓	960	1066⅔	10
10	1173⅓	1280	1386⅔	1493⅓	1600	1706⅔	1813⅓	1920	2026⅔	2133⅓	20
20	2240	2346⅔	2453⅓	2560	2666⅔	2773⅓	2880	2986⅔	3093⅓	3200	30
30	3306⅔	3413⅓	3520	3626⅔	3733⅓	3840	3946⅔	4053⅓	4160	4266⅔	40
40	4373⅓	4480	4586⅔	4693⅓	4800	4906⅔	5013⅓	5120	5226⅔	5333⅓	50

8 × 8 = 22

	117⅓	234⅔	352	469⅓	586⅔	704	821⅓	938⅔	1056	1173⅓	10
10	1290⅔	1408	1525⅓	1642⅔	1760	1877⅓	1994⅔	2112	2229⅓	2346⅔	20
20	2464	2581⅓	2698⅔	2816	2933⅓	3050⅔	3168	3285⅓	3402⅔	3520	30
30	3637⅓	3754⅔	3872	3989⅓	4106⅔	4224	4341⅓	4458⅔	4576	4693⅓	40
40	4810⅔	4928	5045⅓	5162⅔	5280	5397⅓	5514⅔	5632	5749⅓	5866⅔	50

8 × 8 = 24

	128	256	384	512	640	768	896	1024	1152	1280	10
10	1408	1536	1664	1792	1920	2048	2176	2304	2432	2560	20
20	2688	2816	2944	3072	3200	3328	3456	3584	3712	3840	30
30	3968	4096	4224	4352	4480	4608	4736	4864	4992	5120	40
40	5248	5376	5504	5632	5760	5888	6016	6144	6272	6400	50

8 × 8 = 26

	138⅔	277⅓	416	554⅔	693⅓	832	970⅔	1109⅓	1248	1386⅔	10
10	1525⅓	1664	1802⅔	1941⅓	2080	2218⅔	2357⅓	2496	2634⅔	2773⅓	20
20	2912	3050⅔	3189⅓	3328	3466⅔	3605⅓	3744	3882⅔	4021⅓	4160	30
30	4298⅔	4437⅓	4576	4714⅔	4853⅓	4992	5130⅔	5269⅓	5408	5546⅔	40

8 × 8 = 28

	149⅓	298⅔	448	597⅓	746⅔	896	1045⅓	1194⅔	1344	1493⅓	10
10	1642⅔	1792	1941⅓	2090⅔	2240	2389⅓	2538⅔	2688	2837⅓	2986⅔	20
20	3136	3285⅓	3434⅔	3584	3733⅓	3882⅔	4032	4181⅓	4330⅔	4480	30
30	4629⅓	4778⅔	4928	5077⅓	5226⅔	5376	5525⅓	5674⅔	5824	5973⅓	40

8 × 8 = 30

	160	320	480	640	800	960	1120	1280	1440	1600	10
10	1760	1920	2080	2240	2400	2560	2720	2880	3040	3200	20
20	3360	3520	3680	3840	4000	4160	4320	4480	4640	4800	30
30	4960	5120	5280	5440	5600	5760	5920	6080	6240	6400	40

8 × 8 = 32

	170⅔	341⅓	512	682⅔	853⅓	1024	1194⅔	1365⅓	1536	1706⅔	10
10	1877⅓	2048	2218⅔	2389⅓	2560	2730⅔	2901⅓	3072	3242⅔	3413⅓	20
20	3584	3754⅔	3925⅓	4096	4266⅔	4437⅓	4608	4778⅔	4949⅓	5120	30
30	5290⅔	5461⅓	5632	5802⅔	5973⅓	6144	6314⅔	6485⅓	6656	6826⅔	40

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size Lth

10 x32 -
16 x20 -
8 x20 -
10 x16 -
4 x32 -
4 x20 -
5 x16 -
8 x10 -
2 x32 -
4 x16 -
8 x 8 -
2 x20 -
4 x10 -
5 x 8 -
2 x16 -

8 x16 -
4 x22 -
5½x16 -
8 x11 -
2 x32 -
4 x16 -
8 x 8 -
2 x22 -
4 x11 -
2 x16 -
4 x 8 -

4 x24 -
6 x16 -
8 x12 -
4 x16 -
8 x 8 -
2 x24 -
4 x12 -
6 x 8 -
2 x16 -
4 x 8 -

8 x26 -
8 x16 -
4 x26 -
6½x16 -
8 x13 -
4 x16 -
8 x 8 -
2 x26 -
4 x13 -

4 x32 -
8 x16 -
4 x28 -
7 x16 -
8 x16 -
4 x16 -
8 x 8 -
2 x28 -
3½x16 -

15 x16 -
12 x16 -
10 x16 -
8 x16 -
8 x15 -
8 x12 -
8 x10 -
4 x16 -
2 x30 -

8 x32 -
16 x16 -
4 x32 -
8 x16 -
2 x32 -
4 x16 -
8 x 8 -

Size	Lth
2 x68	-16
4 x34	-16
8 x17	-16
8½x16	-16
2 x64	-17
4 x32	-17
8 x16	-17
2 x34	-32
4 x17	-32
8 x 8½	-32
1 x64	-34
2 x32	-34
4 x16	-34
8 x 8	-34

8 x 8 / 4 x 16 = 34

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	181⅓	362⅔	544	725⅓	906⅔	1088	1269⅓	1450⅔	1632	1813⅓	**10**
10	1994⅔	2176	2357⅓	2538⅔	2720	2901⅓	3082⅔	3264	3445⅓	3626⅔	**20**
20	3808	3989⅓	4170⅔	4352	4533⅓	4714⅔	4896	5077⅓	5258⅔	5440	**30**
30	5621⅓	5802⅔	5984	6165⅓	6346⅔	6528	6709⅓	6890⅔	7072	7253⅓	**40**

Size	Lth
9 x16	-16
8 x16	-18
6 x16	-24
8 x12	-24
4 x18	-32
6 x12	-32
8 x 9	-32
3 x16	-48
4 x12	-48
6 x 8	-48

8 × 8 = 36

	192	384	576	768	960	1152	1344	1536	1728	1920	**10**
10	2112	2304	2496	2688	2880	3072	3264	3456	3648	3840	**20**
20	4032	4224	4416	4608	4800	4992	5184	5376	5568	5760	**30**
30	5952	6144	6336	6528	6720	6912	7104	7296	7488	7680	**40**

Size	Lth
8 x19	-16
9½x16	-16
4 x32	-19
8 x16	-19
2 x38	-32
4 x19	-32
8 x 9½	-32
2 x32	-38
4 x16	-38
8 x 8	-38

8 × 8 = 38

	202⅔	405⅓	608	810⅔	1013⅓	1216	1418⅔	1621⅓	1824	2026⅔	**10**
10	2229⅓	2432	2634⅔	2837⅓	3040	3242⅔	3445⅓	3648	3850⅔	4053⅓	**20**
20	4256	4458⅔	4661⅓	4864	5066⅔	5269⅓	5472	5674⅔	5877⅓	6080	**30**
30	6282⅔	6485⅓	6688	6890⅔	7093⅓	7296	7498⅔	7701⅓	7904	8106⅔	**40**

Size	Lth
16 x16	-10
4 x40	-16
8 x20	-16
10 x16	-16
4 x32	-20
8 x16	-20
4 x20	-32
8 x10	-32
4 x16	-40
8 x 8	-40

8 × 8 = 40

	213⅓	426⅔	640	853⅓	1066⅔	1280	1493⅓	1706⅔	1920	2133⅓	**10**
10	2346⅔	2560	2773⅓	2986⅔	3200	3413⅓	3626⅔	3840	4053⅓	4266⅔	**20**
20	4480	4693⅓	4906⅔	5120	5333⅓	5546⅔	5760	5973⅓	6186⅔	6400	**30**
30	6613⅓	6826⅔	7040	7253⅓	7466⅔	7680	7893⅓	8106⅔	8320	8533⅓	**40**

Size	Lth
4 x12	-20
4 x10	-24
2 x16	-30
2 x15	-32
4 x 7½	-32
2 x12	-40
3 x 8	-40
4 x 6	-40
2 x10	-48
4 x 5	-48

8 x 10 / 5 x 16 = 12

	80	160	240	320	400	480	560	640	720	800	**10**
10	880	960	1040	1120	1200	1280	1360	1440	1520	1600	**20**
20	1680	1760	1840	1920	2000	2080	2160	2240	2320	2400	**30**
80	2480	2560	2640	2720	2800	2880	2960	3040	3120	3200	**40**
40	3280	3360	3440	3520	3600	3680	3760	3840	3920	4000	**50**

Size	Lth
4 x20	-14
5 x16	-14
8 x10	-14
3½x16	-20
4 x14	-20
7 x 8	-20
2 x20	-28
4 x10	-28
5 x 7	-32
4 x 7	-40

8 × 10 = 14

	93⅓	186⅔	280	373⅓	466⅔	560	653⅓	746⅔	840	933⅓	**10**
10	1026⅔	1120	1213⅓	1306⅔	1400	1493⅓	1586⅔	1680	1773⅓	1866⅔	**20**
20	1960	2053⅓	2146⅔	2240	2333⅓	2426⅔	2520	2613⅓	2706⅔	2800	**30**
30	2893⅓	2986⅔	3080	3173⅓	3266⅔	3360	3453⅓	3546⅔	3640	3733⅓	**40**
40	3826⅔	3920	4013⅓	4106⅔	4200	4293⅓	4386⅔	4480	4573⅓	4666⅔	**50**

Size	Lth
8 x32	- 5
16 x16	- 5
8 x20	- 8
10 x16	- 8
8 x16	-10
4 x20	-16
5 x16	-16
8 x10	-16
4 x16	-20
8 x 8	-20
4 x10	-32
5 x 8	-32
2 x16	-40
4 x 8	-40

8 × 10 = 16

	106⅔	213⅓	320	426⅔	533⅓	640	746⅔	853⅓	960	1066⅔	**10**
10	1173⅓	1280	1386⅔	1493⅓	1600	1706⅔	1813⅓	1920	2026⅔	2133⅓	**20**
20	2240	2346⅔	2453⅓	2560	2666⅔	2773⅓	2880	2986⅔	3093⅓	3200	**30**
30	3306⅔	3413⅓	3520	3626⅔	3733⅓	3840	3946⅔	4053⅓	4160	4266⅔	**40**
40	4373⅓	4480	4586⅔	4693⅓	4800	4906⅔	5013⅓	5120	5226⅔	5333⅓	**50**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

8 x 10 / 5 x 16 = 18

	1 Piece	2 Pieces	3 Pieces	4 Picees	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	120	240	360	480	600	720	840	960	1080	1200	10
10	1320	1440	1560	1680	1800	1920	2040	2160	2280	2400	20
20	2520	2640	2760	2880	3000	3120	3240	3360	3480	3600	30
30	3720	3840	3960	4080	4200	4320	4440	4560	4680	4800	40
40	4920	5040	5160	5280	5400	5520	5640	5760	5880	6000	50

8 × 10 = 20

	133⅓	266⅔	400	533⅓	666⅔	800	933⅓	1066⅔	1200	1333⅓	10
10	1466⅔	1600	1733⅓	1866⅔	2000	2133⅓	2266⅔	2400	2533⅓	2666⅔	20
20	2800	2933⅓	3066⅔	3200	3333⅓	3466⅔	3600	3733⅓	3866⅔	4000	30
30	4133⅓	4266⅔	4400	4533⅓	4666⅔	4800	4933⅓	5066⅔	5200	5333⅓	40
40	5466⅔	5600	5733⅓	5866⅔	6000	6133⅓	6266⅔	6400	6533⅓	6666⅔	50

8 × 10 = 22

	146⅔	293⅓	440	586⅔	733⅓	880	1026⅔	1173⅓	1320	1466⅔	10
10	1613⅓	1760	1906⅔	2053⅓	2200	2346⅔	2493⅓	2640	2786⅔	2933⅓	20
20	3080	3226⅔	3373⅓	3520	3666⅔	3813⅓	3960	4106⅔	4253⅓	4400	30
30	4546⅔	4693⅓	4840	4986⅔	5133⅓	5280	5426⅔	5573⅓	5720	5866⅔	40
40	6013⅓	6160	6306⅔	6453⅓	6600	6746⅔	6893⅓	7040	7186⅔	7333⅓	50

8 × 10 = 24

	160	320	480	640	800	960	1120	1280	1440	1600	10
10	1760	1920	2080	2240	2400	2560	2720	2880	3040	3200	20
20	3360	3520	3680	3840	4000	4160	4320	4480	4640	4800	30
30	4960	5120	5280	5440	5600	5760	5920	6080	6240	6400	40
40	6560	6720	6880	7040	7200	7360	7520	7680	7840	8000	50

8 × 10 = 26

	173⅓	346⅔	520	693⅓	866⅔	1040	1213⅓	1386⅔	1560	1733⅓	10
10	1906⅔	2080	2253⅓	2426⅔	2600	2773⅓	2946⅔	3120	3293⅓	3466⅔	20
20	3640	3813⅓	3986⅔	4160	4333⅓	4506⅔	4680	4853⅓	5026⅔	5200	30
30	5373⅓	5546⅔	5720	5893⅓	6066⅔	6240	6413⅓	6586⅔	6760	6933⅓	40

8 × 10 = 28

	186⅔	373⅓	560	746⅔	933⅓	1120	1306⅔	1493⅓	1680	1866⅔	10
10	2053⅓	2240	2426⅔	2613⅓	2800	2986⅔	3173⅓	3360	3546⅔	3733⅓	20
20	3920	4106⅔	4293⅓	4480	4666⅔	4853⅓	5040	5226⅔	5413⅓	5600	30
30	5786⅔	5973⅓	6160	6346⅔	6533⅓	6720	6906⅔	7093⅓	7280	7466⅔	40

8 × 10 = 30

	200	400	600	800	1000	1200	1400	1600	1800	2000	10
10	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	20
20	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	30
30	6200	6400	6600	6800	7000	7200	7400	7600	7800	8000	40

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size		Lth
2	x20	-36
4	x10	-36
5	x 8	-36
2	x18	-40
3	x12	-40
4	x 9	-40
4½	x 8	-40
6	x 6	-40
2	x16	-45
4	x 8	-45
1	x30	-48
1½	x20	-48
2	x15	-48
2½	x12	-48
3	x10	-48
5	x 6	-48
5	x20	-16
10	x10	-16
5	x16	-20
8	x10	-20
4	x16	-25
8	x 8	-25
2	x20	-40
4	x10	-40
5	x 8	-40
2	x16	-50
4	x 8	-50
8	x22	-10
8	x20	-11
8	x11	-20
4	x20	-22
5	x16	-22
8	x10	-22
2	x22	-40
4	x11	-40
5½	x 8	-40
4	x10	-44
5	x 8	-44
4	x32	-15
8	x16	-15
4	x30	-16
5	x24	-16
7½	x16	-16
8	x15	-16
10	x12	-16
4	x24	-20
6	x16	-20
8	x12	-20
8	x20	-13
10	x13	-16
4	x26	-20
8	x13	-20
4	x20	-26
5	x16	-26
5	x13	-32
6½	x10	-32
2	x26	-40
4	x13	-40
7	x20	-16
7	x16	-20
4	x20	-28
5	x16	-28
8	x10	-28
5	x14	-32
7	x10	-32
4	x16	-35
2	x28	-40
4	x14	-40
2	x30	-40
3	x20	-40
4	x15	-40
5	x12	-40
6	x10	-40
7½	x 8	-40
2	x25	-48
4	x12½	-48
6¼	x 8	-48
2	x24	-50
3	x16	-50
4	x12	-50

8 x 10 / 5 x 16 = 32

Size	Lth
8 x40	- 8
10 x32	- 8
16 x20	- 8
5 x32	-16
8 x20	-16
10 x16	-16
4 x32	-20
8 x16	-20
4 x20	-32
5 x16	-32
8 x10	-32
2 x32	-40
4 x16	-40
8 x 8	-40

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	213⅓	426⅔	640	853⅓	1066⅔	1280	1493⅓	1706⅔	1920	2133⅓	10
10	2346⅔	2560	2773⅓	2986⅔	3200	3413⅓	3626⅔	3840	4053⅓	4266⅔	20
20	4480	4693⅓	4906⅔	5120	5333⅓	5546⅔	5760	5973⅓	6186⅔	6400	30
30	6613⅓	6826⅔	7040	7253⅓	7466⅔	7680	7893⅓	8106⅔	8320	8533⅓	40

8 × 10 = 34

Size	Lth
17 x20	- 8
8 x20	-17
10 x16	-17
8 x17	-20
8½x16	-20
4 x20	-34
8 x10	-34
4 x17	-40
4¼x16	-40
8 x 8½	-40

	226⅔	453⅓	680	906⅔	1133⅓	1360	1586⅔	1813⅓	2040	2266⅔	10
10	2493⅓	2720	2946⅔	3173⅓	3400	3626⅔	3853⅓	4080	4306⅔	4533⅓	20
20	4760	4986⅔	5213⅓	5440	5666⅔	5893⅓	6120	6346⅔	6573⅓	6800	30
30	7026⅔	7253⅓	7480	7706⅔	7933⅓	8160	8386⅔	8613⅓	8840	9066⅔	40

8 × 10 = 36

Size	Lth
12 x30	- 8
12 x24	-10
15 x16	-12
8 x24	-15
12 x15	-16
8 x20	-18
10 x16	-18
9 x16	-20
8 x12	-30
8 x 9	-40

	240	480	720	960	1200	1440	1680	1920	2160	2400	10
10	2640	2880	3120	3360	3600	3840	4080	4320	4560	4800	20
20	5040	5280	5520	5760	6000	6240	6480	6720	6960	7200	30
30	7440	7680	7920	8160	8400	8640	8880	9120	9360	9600	40

8 × 10 = 38

Size	Lth
10 x19	-16
8 x20	-19
10 x16	-19
8 x19	-20
9½x16	-20
4 x20	-38
5 x16	-38
8 x10	-38
4 x19	-40
8 x 9½	-40

	253⅓	506⅔	760	1013⅓	1266⅔	1520	1773⅓	2026⅔	2280	2533⅓	10
10	2786⅔	3040	3293⅓	3546⅔	3800	4053⅓	4306⅔	4560	4813⅓	5066⅔	20
20	5320	5573⅓	5826⅔	6080	6333⅓	6586⅔	6840	7093⅓	7346⅔	7600	30
30	7853⅓	8106⅔	8360	8613⅓	8866⅔	9120	9373⅓	9626⅔	9880	10133⅓	40

8 × 10 = 40

Size	Lth
8 x25	-16
10 x20	-16
4 x40	-20
5 x32	-20
10 x16	-20
4 x32	-25
8 x16	-25
4 x25	-32
5 x20	-32
6¼x16	-32

	266⅔	533⅓	800	1066⅔	1333⅓	1600	1866⅔	2133⅓	2400	2666⅔	10
10	2933⅓	3200	3466⅔	3733⅓	4000	4266⅔	4533⅓	4800	5066⅔	5333⅓	20
20	5600	5866⅔	6133⅓	6400	6666⅔	6933⅓	7200	7466⅔	7733⅓	8000	30
30	8266⅔	8533⅓	8800	9066⅔	9333⅓	9600	9866⅔	10133⅓	10400	10666⅔	40

10 × 10 = 12

Size	Lth
2 x30	-20
4 x15	-20
2 x24	-95
4 x12	-25
2 x20	-30
4 x10	-30
5 x 8	-30
2 x15	-40
4 x 7½	-40
3 x 8	-50
4 x 6	-50

	100	200	300	400	500	600	700	800	900	1000	10
10	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	20
20	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	30
30	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	40
40	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	50

10 × 10 = 14

Size	Lth
2 x28	-25
4 x14	-25
7 x 8	-25
2 x25	-28
4 x12½	-28
2 x20	-35
4 x10	-35
5 x 8	-35
2 x14	-50
3½x 8	-50
4 x 7	-50

	116⅔	233⅓	350	466⅔	583⅓	700	816⅔	933⅓	1050	1166⅔	10
10	1283⅓	1400	1516⅔	1633⅓	1750	1866⅔	1983⅓	2100	2216⅔	2333⅓	20
20	2450	2566⅔	2683⅓	2800	2916⅔	3033⅓	3150	3266⅔	3383⅓	3500	30
30	3616⅔	3733⅓	3850	3966⅔	4083⅓	4200	4316⅔	4433⅓	4550	4666⅔	40
40	4783⅓	4900	5016⅔	5133⅓	5250	5366⅔	5483⅓	5600	5716⅔	5833⅓	50

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

10x10
10x12
12x12
7x9
7x10
1¼ In.
1½ In.
1¾ In.
2 In.
3 In.
4 In.
5 In.
6 In.
7 In.
8 In.
9 In.
10 In.
11 & 12 In.
13 & 14 In.
15 to 17 In.
18 to 24 In.
25 to 30 In.
1 & 2 ft.

10 × 10 = 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	
	133⅓	266⅔	400	533⅓	666⅔	800	933⅓	1066⅔	1200	1333⅓	10
10	1466⅔	1600	1733⅓	1866⅔	2000	2133⅓	2266⅔	2400	2533⅓	2666⅔	20
20	2800	2933⅓	3066⅔	3200	3333⅓	3466⅔	3600	3733⅓	3866⅔	4000	30
30	4133⅓	4266⅔	4400	4533⅓	4666⅔	4800	4933⅓	5066⅔	5200	5333⅓	40
40	5466⅔	5600	5733⅓	5866⅔	6000	6133⅓	6266⅔	6400	6533⅓	6666⅔	50

10 × 10 = 18

	150	300	450	600	750	900	1050	1200	1350	1500	10
10	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	20
20	3150	3300	3450	3600	3750	3900	4050	4200	4350	4500	30
30	4650	4800	4950	5100	5250	5400	5550	5700	5850	6000	40
40	6150	6300	6450	6600	6750	6900	7050	7200	7350	7500	50

10 × 10 = 20

	166⅔	333⅓	500	666⅔	833⅓	1000	1166⅔	1333⅓	1500	1666⅔	10
10	1833⅓	2000	2166⅔	2333⅓	2500	2666⅔	2833⅓	3000	3166⅔	3333⅓	20
20	3500	3666⅔	3833⅓	4000	4166⅔	4333⅓	4500	4666⅔	4833⅓	5000	30
30	5166⅔	5333⅓	5500	5666⅔	5833⅓	6000	6166⅔	6333⅓	6500	6666⅔	40
40	6833⅓	7000	7166⅔	7333⅓	7500	7666⅔	7833⅓	8000	8166⅔	8333⅓	50

10 × 10 = 22

	183⅓	366⅔	550	733⅓	916⅔	1100	1283⅓	1466⅔	1650	1833⅓	10
10	2016⅔	2200	2383⅓	2566⅔	2750	2933⅓	3116⅔	3300	3483⅓	3666⅔	20
20	3850	4033⅓	4216⅔	4400	4583⅓	4766⅔	4950	5133⅓	5316⅔	5500	30
30	5683⅓	5866⅔	6050	6233⅓	6416⅔	6600	6783⅓	6966⅔	7150	7333⅓	40
40	7516⅔	7700	7883⅓	8066⅔	8250	8433⅓	8616⅔	8800	8983⅓	9166⅔	50

10 × 10 = 24

	200	400	600	800	1000	1200	1400	1600	1800	2000	10
10	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	20
20	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	30
30	6200	6400	6600	6800	7000	7200	7400	7600	7800	8000	40
40	8200	8400	8600	8800	9000	9200	9400	9600	9800	10000	50

10 × 10 = 26

	216⅔	433⅓	650	866⅔	1083⅓	1300	1516⅔	1733⅓	1950	2166⅔	10
10	2383⅓	2600	2816⅔	3033⅓	3250	3466⅔	3683⅓	3900	4116⅔	4333⅓	20
20	4550	4766⅔	4983⅓	5200	5416⅔	5633⅓	5850	6066⅔	6283⅓	6500	30
30	6716⅔	6933⅓	7150	7366⅔	7583⅓	7800	8016⅔	8233⅓	8450	8666⅔	40

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

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Size Lth

4 x28 -25
7 x16 -25
8 x14 -25
4 x25 -28
8 x12½ -28
4 x20 -35
5 x16 -35
8 x10 -35
5 x14 -40
7 x10 -40
2 x28 -50
3½x16 -50
4 x14 -50
7 x 8 -50

10 × 10 = 28

	1 Piece.	2 Pieces.	3 Pieces.	4 Pieces	5 Pieces.	6 Pieces	7 Pieces.	8 Pieces.	9 Pieces.	10 Pieces.	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	233⅓	466⅔	700	933⅓	1166⅔	1400	1633⅓	1866⅔	2100	2333⅓	**10**
10	2566⅔	2800	3033⅓	3266⅔	3500	3733⅓	3966⅔	4200	4433⅓	4666⅔	**20**
20	4900	5133⅓	5366⅔	5600	5833⅓	6066⅔	6300	6533⅓	6766⅔	7000	**30**
30	7233⅓	7466⅔	7700	7933⅓	8166⅔	8400	8633⅓	8866⅔	9100	9333⅓	**40**

10x12

5 x30 -20
5 x25 -24
4 x30 -25
4 x25 -30
5 x20 -30
3 x25 -40
2 x30 -50
3 x20 -50
4 x15 -50
5 x12 -50

10 × 10 = 30

	250	500	750	1000	1250	1500	1750	2000	2250	2500	**10**
10	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	**20**
20	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	**30**
30	7750	8000	8250	8500	8750	9000	9250	9500	9750	10000	**40**

12x12

7x9

7x10

4 x25 -32
5 x20 -32
10 x10 -32
2½x32 -40
4 x20 -40
5 x16 -40
8 x10 -40
2 x32 -50
4 x16 -50
8 x 8 -50

10 × 10 = 32

	266⅔	533⅓	800	1066⅔	1333⅓	1600	1866⅔	2133⅓	2400	2666⅔	**10**
10	2933⅓	3200	3466⅔	3733⅓	4000	4266⅔	4533⅓	4800	5066⅔	5333⅓	**20**
20	5600	5866⅔	6133⅓	6400	6666⅔	6933⅓	7200	7466⅔	7733⅓	8000	**30**
30	8266⅔	8533⅓	8800	9066⅔	9333⅓	9600	9866⅔	10133⅓	10400	10666⅔	**40**

1¼ In.

1½ In.

1¾ In.

2 In.

8 x25 -17
10 x20 -17
8 x17 -25
8½x16 -25
5 x20 -34
10 x10 -34
4 x25 -34
8 x12½ -34
4 x17 -50
8 x 8½ -50

10 × 10 = 34

	283⅓	566⅔	850	1133⅓	1416⅔	1700	1983⅓	2266⅔	2550	2833⅓	**10**
10	3116⅔	3400	3683⅓	3966⅔	4250	4533⅓	4816⅔	5100	5383⅓	5666⅔	**20**
20	5950	6233⅓	6516⅔	6800	7083⅓	7366⅔	7650	7933⅓	8216⅔	8500	**30**
30	8783⅓	9066⅔	9350	9633⅓	9916⅔	10200	10483⅓	10766⅔	11050	11333⅓	**40**

3 In.

4 In.

5 In.

4 x30 -30
4 x25 -36
8 x12½ -36
3 x30 -40
6 x15 -40
7½x12 -40
3 x24 -50
4 x18 -50
6 x12 -50
8 x 9 -50

10 × 10 = 36

	300	600	900	1200	1500	1800	2100	2400	2700	3000	**10**
10	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000	**20**
20	6300	6600	6900	7200	7500	7800	8100	8400	8700	9000	**30**
30	9300	9600	9900	10200	10500	10800	11100	11400	11700	12000	**40**

6 In.

7 In.

8 In.

8 x25 -19
8 x19 -25
4 x25 -38
5 x20 -38
6¼x16 -38
8 x12½ -38
10 x10 -38
4 x19 -50
4¼x16 -50
8 x 9½ -50

10 × 10 = 38

	316⅔	633⅓	950	1266⅔	1583⅓	1900	2216⅔	2533⅓	2850	3166⅔	**10**
10	3483⅓	3800	4116⅔	4433⅓	4750	5066⅔	5383⅓	5700	6016⅔	6333⅓	**20**
20	6650	6966⅔	7283⅓	7600	7916⅔	8233⅓	8550	8866⅔	9183⅓	9500	**30**
30	9816⅔	10133⅓	10450	10766⅔	11083⅓	11400	11716⅔	12033⅓	12350	12666⅔	**40**

9 In.

10 In.

11 & 12 In.

13 & 14 In.

8 x25 -20
8 x20 -25
10 x16 -25
4 x25 -40
5 x20 -40
6¼x16 -40
8 x12½ -40
10 x10 -40
2½x32 -50
4 x20 -50
5 x16 -50
8 x10 -50

10 × 10 = 40

	333⅓	666⅔	1000	1333⅓	1666⅔	2000	2333⅓	2666⅔	3000	3333⅓	**10**
10	3666⅔	4000	4333⅓	4666⅔	5000	5333⅓	5666⅔	6000	6333⅓	6666⅔	**20**
20	7000	7333⅓	7666⅔	8000	8333⅓	8666⅔	9000	9333⅓	9666⅔	10000	**30**
30	10333⅓	10666⅔	11000	11333⅓	11666⅔	12000	12333⅓	12666⅔	13000	13333⅓	**40**

15 to 17 In.

18 to 24 In.

25 to 30 In.

1 & 2 Ft.

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\frac{10 \times 12}{8 \times 15} = 12$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	120	240	360	480	600	720	840	960	1080	1200	10
10	1320	1440	1560	1680	1800	1920	2040	2160	2280	2400	20
20	2520	2640	2760	2880	3000	3120	3240	3360	3480	3600	30
30	3720	3840	3960	4080	4200	4320	4440	4560	4680	4800	40
40	4920	5040	5160	5280	5400	5520	5640	5760	5880	6000	50

$10 \times 12 = 14$

	140	280	420	560	700	840	980	1120	1260	1400	10
10	1540	1680	1820	1960	2100	2240	2380	2520	2660	2800	20
20	2940	3080	3220	3360	3500	3640	3780	3920	4060	4200	30
30	4340	4480	4620	4760	4900	5040	5180	5320	5460	5600	40
40	5740	5880	6020	6160	6300	6440	6580	6720	6860	7000	50

$10 \times 12 = 16$

	160	320	480	640	800	960	1120	1280	1440	1600	10
10	1760	1920	2080	2240	2400	2560	2720	2880	3040	3200	20
20	3360	3520	3680	3840	4000	4160	4320	4480	4640	4800	30
30	4960	5120	5280	5440	5600	5760	5920	6080	6240	6400	40
40	6560	6720	6880	7040	7200	7360	7520	7680	7840	8000	50

$10 \times 12 = 18$

	180	360	540	720	900	1080	1260	1440	1620	1800	10
10	1980	2160	2340	2520	2700	2880	3060	3240	3420	3600	20
20	3780	3960	4140	4320	4500	4680	4860	5040	5220	5400	30
30	5580	5760	5940	6120	6300	6480	6660	6840	7020	7200	40
40	7380	7560	7740	7920	8100	8280	8460	8640	8820	9000	50

$10 \times 12 = 20$

	200	400	600	800	1000	1200	1400	1600	1800	2000	10
10	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	20
20	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	30
30	6200	6400	6600	6800	7000	7200	7400	7600	7800	8000	40
40	8200	8400	8600	8800	9000	9200	9400	9600	9800	10000	50

$10 \times 12 = 22$

	220	440	660	880	1100	1320	1540	1760	1980	2200	10
10	2420	2640	2860	3080	3300	3520	3740	3960	4180	4400	20
20	4620	4840	5060	5280	5500	5720	5940	6160	6380	6600	30
30	6820	7040	7260	7480	7700	7920	8140	8360	8580	8800	40
40	9020	9240	9460	9680	9900	10120	10340	10560	10780	11000	50

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size Lth

2 x36 -2
2¼x32 -2
3 x24 -2
4 x18 -2
4½x16 -2
6 x12 -2
8 x 9 -2
3 x20 -2
4 x15 -2
5 x12 -2
6 x10 -2
3 x16 -2
6 x 8 -2
3 x15 -2
5 x 9 -2
6 x 7½ -2

4 x15 -2
2 x28 -2
4 x14 -2
7 x 8 -2
2 x24 -2
4 x12 -2
6 x 8 -2
2 x21 -2
4 x10½ -2
2 x20 -2
4 x10 -2
5 x 8 -2

20 x24 -2
16 x20 -2
8 x30 -2
10 x24 -2
12 x20 -2
15 x16 -2
4 x20 -2
12 x16 -2
8 x24 -2
8 x20 -2
10 x16 -2

3 x28 -2
6 x14 -2
1½x40 -2
3 x20 -2
4 x15 -2
6 x10 -2
1½x32 -2
3 x16 -2
3 x14 -2
6 x 7 -2
4 x10 -2

5 x16 -2
8 x10 -2
3 x25 -2
2 x30 -2
3 x20 -2
4 x15 -2
6 x10 -2
5 x10 -2
2 x24 -2
3 x16 -2
4 x12 -2
6 x 8 -2

8 x15 -2
4 x22 -2
8 x11 -2
4 x20 -2
5 x16 -2
8 x10 -2
3 x22 -2
6 x11 -2
2 x30 -2
3 x20 -2
4 x15 -2
6 x10 -2

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Size Lth

6 x24 -20
12 x12 -20
4 x30 -24
5 x24 -24
6 x20 -24
7½x16 -24
8 x15 -24
10 x12 -24
4 x24 -30
8 x12 -30
2½x36 -32
3 x30 -32
4½x20 -32
5 x18 -32
6 x15 -32
9 x10 -32

10 x 12 / 8 x 15 = 24

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	
	240	480	720	960	1200	1440	1680	1920	2160	2400	10
10	2640	2880	3120	3360	3600	3840	4080	4320	4560	4800	20
20	5040	5280	5520	5760	6000	6240	6480	6720	6960	7200	30
30	7440	7680	7920	8160	8400	8640	8880	9120	9360	9600	40
40	9840	10080	10320	10560	10800	11040	11280	11520	11760	12000	50

4 x30 -26
8 x15 -26
4 x26 -30
8 x13 -30
4 x20 -39
5 x16 -39
8 x10 -39
5 x16 -39
3 x26 -40
6 x13 -40
5 x13 -48

10 × 12 = 26

	260	520	780	1040	1300	1560	1820	2080	2340	2600	10
10	2860	3120	3380	3640	3900	4160	4420	4680	4940	5200	20
20	5460	5720	5980	6240	6500	6760	7020	7280	7540	7800	30
30	8060	8320	8580	8840	9100	9360	9620	9880	10140	10400	40

8 x15 -28
4 x28 -30
7 x16 -30
8 x14 -30
8 x12 -35
3 x28 -40
6 x14 -40
7 x12 -40
4 x20 -42
5 x16 -42

10 × 12 = 28

	280	560	840	1120	1400	1680	1960	2240	2520	2800	10
10	3080	3360	3640	3920	4200	4480	4760	5040	5320	5600	20
20	5880	6160	6440	6720	7000	7280	7560	7840	8120	8400	30
30	8680	8960	9240	9520	9800	10080	10360	10640	10920	11200	40

6 x24 -25
6 x20 -30
8 x15 -30
5 x20 -36
10 x10 -36
5 x18 -40
9 x10 -40
5 x16 -45
8 x10 -45
5 x15 -48

10 × 12 = 30

	300	600	900	1200	1500	1800	2100	2400	2700	3000	10
10	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000	20
20	6300	6600	6900	7200	7500	7800	8100	8400	8700	9000	30
30	9300	9600	9900	10200	10500	10800	11100	11400	11700	12000	40

4 x30 -32
6 x20 -32
8 x15 -32
10 x12 -32
4 x24 -40
8 x12 -40
6 x16 -40
2 x40 -48
4 x20 -48
5 x16 -48

10 × 12 = 32

	320	640	960	1280	1600	1920	2240	2560	2880	3200	10
10	3520	3840	4160	4480	4800	5120	5440	5760	6080	6400	20
20	6720	7040	7360	7680	8000	8320	8640	8960	9280	9600	30
30	9920	10240	10560	10880	11200	11520	11840	12160	12480	12800	40

8 x30 -17
15 x16 -17
8 x17 -30
8½x16 -30
5 x24 -34
6 x20 -34
10 x12 -34
3 x34 -40
6 x17 -40
8½x12 -40

10 × 12 = 34

	340	680	1020	1360	1700	2040	2380	2720	3060	3400	10
10	3740	4080	4420	4760	5100	5440	5780	6120	6460	6800	20
20	7140	7480	7820	8160	8500	8840	9180	9520	9860	10200	30
30	10540	10880	11220	11560	11900	12240	12580	12920	13260	13600	40

6 x24 -30
12 x12 -30
4 x30 -36
8 x15 -36
4 x27 -40
8 x13½ -40
4 x24 -45
6 x16 -45
3 x30 -48
6 x15 -48
7½x12 -48

10 × 12 = 36

	360	720	1080	1440	1800	2160	2520	2880	3240	3600	10
10	3960	4320	4680	5040	5400	5760	6120	6480	6840	7200	20
20	7560	7920	8280	8640	9000	9360	9720	10080	10440	10800	30
30	11160	11520	11880	12240	12600	12960	13320	13680	14040	14400	40

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

10x12
12x12
7x9
7x
1¼ In.
1½ In.
1¾ In.
2 In.
3 In.
4 In.
5 In.
6 In.
7 In.
8 In.
9 In.
10 In.
11 & 12 In.
13 & 14 In.
15 to 17 In.
18 to 24 In.
25 to 30 In.
1 & 2 ft.

$\frac{10}{8} \times \frac{12}{15} = 38$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	380	760	1140	1520	1900	2280	2660	3040	3420	3800	10
10	4180	4560	4940	5320	5700	6080	6460	6840	7220	7600	20
20	7980	8360	8740	9120	9500	9880	10260	10640	11020	11400	30
30	11780	12160	12540	12920	13300	13680	14060	14440	14820	15200	40

10 × 12 = 40

	400	800	1200	1600	2000	2400	2800	3200	3600	4000	10
10	4400	4800	5200	5600	6000	6400	6800	7200	7600	8000	20
20	8400	8800	9200	9600	10000	10400	10800	11200	11600	12000	30
30	12400	12800	13200	13600	14000	14400	14800	15200	15600	16000	40

$\frac{12}{9} \times \frac{12}{16} = 12$

	144	288	432	576	720	864	1008	1152	1296	1440	10
10	1584	1728	1872	2016	2160	2304	2448	2592	2736	2880	20
20	3024	3168	3312	3456	3600	3744	3888	4032	4176	4320	30
30	4464	4608	4752	4896	5040	5184	5328	5472	5616	5760	40
40	5904	6048	6192	6336	6480	6624	6768	6912	7056	7200	50

12 × 12 = 14

	168	336	504	672	840	1008	1176	1344	1512	1680	10
10	1848	2016	2184	2352	2520	2688	2856	3024	3192	3360	20
20	3528	3696	3864	4032	4200	4368	4536	4704	4872	5040	30
30	5208	5376	5544	5712	5880	6048	6216	6384	6552	6720	40
40	6888	7056	7224	7392	7560	7728	7896	8064	8232	8400	50

12 × 12 = 16

	192	384	576	768	960	1152	1344	1536	1728	1920	10
10	2112	2304	2496	2688	2880	3072	3264	3456	3648	3840	20
20	4032	4224	4416	4608	4800	4992	5184	5376	5568	5760	30
30	5952	6144	6336	6528	6720	6912	7104	7296	7488	7680	40
40	7872	8064	8256	8448	8640	8832	9024	9216	9408	9600	50

12 × 12 = 18

	216	432	648	864	1080	1296	1512	1728	1944	2160	10
10	2376	2592	2808	3024	3240	3456	3672	3888	4104	4320	20
20	4536	4752	4968	5184	5400	5616	5832	6048	6264	6480	30
30	6696	6912	7128	7344	7560	7776	7992	8208	8424	8640	40
40	8856	9072	9288	9504	9720	9936	10152	10368	10584	10800	50

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
7½x32	-19
8 x30	-19
15 x16	-19
12 x19	-20
10 x19	-24
8 x19	-30
9½x16	-30
6 x19	-40
9½x12	-40
5 x24	-38
6 x20	-38
7½x16	-38
8 x15	-38
10 x12	-38
5 x19	-48
3 x40	-40
6 x20	-40
7½x16	-40
8 x15	-40
10 x12	-40
4 x25	-48
5 x20	-48
6¼x16	-48
8 x12½	-48
4 x24	-50
6 x16	-50
8 x12	-50
6 x12	-24
4 x16	-27
8 x 8	-27
3 x18	-32
6 x 9	-32
2 x24	-36
3 x16	-36
4 x12	-36
6 x 8	-36
2 x18	-48
3 x12	-48
4 x 9	-48
3 x24	-28
6 x12	-28
2 x28	-36
4 x14	-36
7 x 8	-36
2 x24	-42
4 x12	-42
2 x21	-48
3 x14	-48
4 x10½	-48
5¼x 8	-48
6 x 7	-48
4 x24	-24
8 x12	-24
3 x24	-32
4 x18	-32
6 x12	-32
8 x 9	-32
4 x16	-36
8 x 8	-36
2 x24	-48
3 x16	-48
4 x12	-48
6 x 8	-48
6 x27	-16
12 x13½	-16
6 x18	-24
9 x12	-24
4 x24	-27
6 x16	-27
8 x12	-27
3 x24	-36
4 x18	-36
6 x12	-36
8 x 9	-36
2 x27	-48
3 x18	-48
4 x13½	-48
6¾x 8	-48
6 x 9	-48

12 x 12 = 20

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	240	480	720	960	1200	1440	1680	1920	2160	2400	**10**
10	2640	2880	3120	3360	3600	3840	4080	4320	4560	4800	**20**
20	5040	5280	5520	5760	6000	6240	6480	6720	6960	7200	**30**
30	7440	7680	7920	8160	8400	8640	8880	9120	9360	9600	**40**
40	9840	10080	10320	10560	10800	11040	11280	11520	11760	12000	**50**

12 × 12 = 22

	264	528	792	1056	1320	1584	1848	2112	2376	2640	**10**
10	2904	3168	3432	3696	3960	4224	4488	4752	5016	5280	**20**
20	5544	5808	6072	6336	6600	6864	7128	7392	7656	7920	**30**
30	8184	8448	8712	8976	9240	9504	9768	10032	10296	10560	**40**
40	10824	11088	11352	11616	11880	12144	12408	12672	12936	13200	**50**

12 × 12 = 24

	288	576	864	1152	1440	1728	2016	2304	2592	2880	**10**
10	3168	3456	3744	4032	4320	4608	4896	5184	5472	5760	**20**
20	6048	6336	6624	6912	7200	7488	7776	8064	8352	8640	**30**
30	8928	9216	9504	9792	10080	10368	10656	10944	11232	11520	**40**
40	11808	12096	12384	12672	12960	13248	13536	13824	14112	14400	**50**

12 × 12 = 26

	312	624	936	1248	1560	1872	2184	2496	2808	3120	**10**
10	3432	3744	4056	4368	4680	4992	5304	5616	5928	6240	**20**
20	6552	6864	7176	7488	7800	8112	8424	8736	9048	9360	**30**
30	9672	9984	10296	10608	10920	11232	11544	11856	12168	12480	**40**

12 × 12 = 28

	336	672	1008	1344	1680	2016	2352	2688	3024	3360	**10**
10	3696	4032	4368	4704	5040	5376	5712	6048	6384	6720	**20**
20	7056	7392	7728	8064	8400	8736	9072	9408	9744	10080	**30**
30	10416	10752	11088	11424	11760	12096	12432	12768	13104	13440	**40**

12 × 12 = 30

	360	720	1080	1440	1800	2160	2520	2880	3240	3600	**10**
10	3960	4320	4680	5040	5400	5760	6120	6480	6840	7200	**20**
20	7560	7920	8280	8640	9000	9360	9720	10080	10440	10800	**30**
30	11160	11520	11880	12240	12600	12960	13320	13680	14040	14400	**40**

12 × 12 = 32

	384	768	1152	1536	1920	2304	2688	3072	3456	3840	**10**
10	4224	4608	4992	5376	5760	6144	6528	6912	7296	7680	**20**
20	8064	8448	8832	9216	9600	9984	10368	10752	11136	11520	**30**
30	11904	12288	12672	13056	13440	13824	14208	14592	14976	15360	**40**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

Size	Lth
7½x12	-32
4 x20	-36
5 x16	-36
8 x10	-36
3 x24	-40
4 x18	-40
6 x12	-40
2 x32	-45
4 x16	-45
8 x 8	-45
2 x30	-48
3 x20	-48
4 x15	-48
5 x12	-48
6 x10	-48
7½x 8	-48
8 x22	-18
11 x16	-18
8 x18	-22
6 x16	-33
8 x12	-33
4 x22	-36
8 x11	-36
3 x24	-44
4 x18	-44
6 x12	-44
8 x 9	-44
6 x11	-48
6 x24	-24
4 x27	-32
6 x18	-32
9 x12	-32
4 x24	-36
6 x16	-36
8 x12	-36
3 x24	-48
4 x18	-48
6 x12	-48
8 x 9	-48
6 x26	-24
6 x24	-26
12 x12	-26
4 x26	-36
8 x13	-36
4 x24	-39
8 x12	-39
3 x26	-48
6 x13	-48
6 x21	-32
4 x28	-36
7 x16	-36
8 x14	-36
6 x16	-42
8 x12	-42
4 x21	-48
6 x14	-48
7 x12	-48
8 x10½	-48
8 x27	-20
8 x18	-30
6 x30	-24
12 x15	-24
6 x20	-36
7½x16	-36
8 x15	-36
6 x18	-40
9 x13	-40
8 x12	-45
16 x24	-12
9 x32	-16
12 x24	-16
16 x18	-16
8 x24	-24
12 x16	-24
6 x24	-32
8 x18	-32
9 x16	-32
12 x12	-32
8 x16	-36
4 x24	-48
6 x16	-48

12x12
7x9
7"
1¼ in.
1½ in.
1¾ in.
2 in.
3 in.
4 in.
5 in.
6 in.
7 in.
8 in.
9 in.
10 in.
11 & 12 in.
13 & 14 in.
15 to 17 in.
18 to 24 in.
25 to 30 in.
1 & 2 ft.

$^{12}_{9} \times {}^{12}_{16} = 34$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	
	408	816	1224	1632	2040	2448	2856	3264	3672	4080	**10**
10	4488	4896	5304	5712	6120	6528	6936	7344	7752	8160	**20**
20	8568	8976	9384	9792	10200	10608	11016	11424	11832	12240	**30**
30	12648	13056	13464	13872	14280	14688	15096	15504	15912	16320	**40**

12 × 12 = 36

	432	864	1296	1728	2160	2592	3024	3456	3888	4320	**10**
10	4752	5184	5616	6048	6480	6912	7344	7776	8208	8640	**20**
20	9072	9504	9936	10368	10800	11232	11664	12096	12528	12960	**30**
30	13392	13824	14256	14688	15120	15552	15984	16416	16848	17280	**40**

12 × 12 = 38

	456	912	1368	1824	2280	2736	3192	3648	4104	4560	**10**
10	5016	5472	5928	6384	6840	7296	7752	8208	8664	9120	**20**
20	9576	10032	10488	10944	11400	11856	12312	12768	13224	13680	**30**
30	14136	14592	15048	15504	15960	16416	16872	17328	17784	18240	**40**

12 × 12 = 40

	480	960	1440	1920	2400	2880	3360	3840	4320	4800	**10**
10	5280	5760	6240	6720	7200	7680	8160	8640	9120	9600	**20**
20	10080	10560	11040	11520	12000	12480	12960	13440	13920	14400	**30**
30	14880	15360	15840	16320	16800	17280	17760	18240	18720	19200	**40**

To Use Lumber Tables for Cost Tables, Etc.

EXAMPLE: Suppose you wish to find cost of 212 articles at price of $6\frac{2}{3}$ cents each, see index, page 2, and we find table for $6\frac{2}{3}$ given on page 20; turn to page 20, run down left hand margin to 210, then two to right for 212 and we find \$14.13⅓, the correct answer.

NOTE: In using the Lumber tables for Cost, we use the decimal point for dollars and cents. Example: Suppose you wish to find the cost of 23 articles at cost of \$1.33⅓ each. See index, page 2, we find table given for 133⅓ on page 116 and 23 articles at 133⅓ would be \$30.66⅔. If 230, drop fraction ⅔ and annex 6⅔ and remove point one place to right and we have \$306.66⅔, the correct answer See other explanations pages 2, 3, 279 and 300.

Size	Lth
6 x48	-17
12 x24	-17
8½x24	-24
12 x17	-24
8½x18	-32
9 x17	-32
6 x24	-34
8 x18	-34
9 x16	-34
12 x12	-34
4¼x32	-36
8 x17	-36
8½x16	-36
3 x34	-48
4¼x24	-48
8½x12	-48
4½x48	-24
9 x24	-24
8 x24	-27
12 x16	-27
6 x27	-32
8 x18	-36
9 x16	-36
4 x27	-48
4½x24	-48
8 x13½	-48
9 x12	-48
9½x48	-12
19 x24	-12
9 x38	-16
18 x19	-16
12 x19	-24
9½x24	-24
4½x38	-36
9 x19	-36
9½x18	-36
6 x24	-38
9 x16	-38
12 x12	-38
24 x30	- 8
16 x30	-12
20 x24	-12
16 x24	-15
12 x30	-16
15 x24	-16
18 x20	-16
12 x24	-20
16 x18	-20
8 x30	-24
10 x24	-24
12 x20	-24
15 x16	-24
8 x24	-30
12 x16	-30
6 x30	-32
9 x20	-32
10 x18	-32
12 x15	-32
8 x20	-36
10 x16	-36
6 x24	-40
8 x18	-40
9 x16	-40
12 x16	-40
8 x16	-45
4 x30	-48
5 x24	-48
6 x20	-48
7½x16	-48
8 x15	-48
10 x12	-48

7 × 9 = 8 to 24.

Size Length	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
7x 9= 8ft.	42	84	126	168	210	252	294	336	378	420	10
" 9"	47¼	94½	141¾	189	236¼	283½	330¾	378	425¼	472½	10
" 10"	52½	105	157½	210	262½	315	367½	420	472½	525	10
" 11"	57¾	115½	173¼	231	288¾	346½	404¼	462	519¾	577½	10
" 12"	63	126	189	252	315	378	441	504	567	630	10
" 13"	68¼	136½	204¾	273	341¼	409½	477¾	546	614¼	682½	10
" 14"	73½	147	220½	294	367½	441	514½	588	661½	735	10
" 15"	78¾	157½	236¼	315	393¾	472½	551¼	630	708¾	787½	10
" 16"	84	168	252	336	420	504	588	672	756	840	10
" 17"	89¼	178½	267¾	357	446¼	535½	624¾	714	803¼	892½	10
" 18"	94½	189	283½	378	472½	567	661½	756	850½	945	10
" 19"	99¾	199½	299¼	399	498¾	598½	698¼	798	897¾	997½	10
" 20"	105	210	315	420	525	630	735	840	945	1050	10
" 21"	110¼	220½	330¾	441	551¼	661½	771¾	882	992¼	1102½	10
" 22"	115½	231	346½	462	577½	693	808½	924	1039½	1155	10
" 23"	120¾	241½	362¼	483	603¾	724½	845¼	966	1086¾	1207½	10
" 24"	126	252	378	504	630	756	882	1008	1134	1260	10

7 × 10 = 8 to 24.

7x10= 8ft.	46⅔	93⅓	140	186⅔	233⅓	280	326⅔	373⅓	420	466⅔	10
" 9"	52½	105	157½	210	262½	315	367½	420	472½	525	10
" 10"	58⅓	116⅔	175	233⅓	291⅔	350	408⅓	466⅔	525	583⅓	10
" 11"	64⅙	128⅓	192½	256⅔	320⅚	385	449⅙	513⅓	577½	641⅔	10
" 12"	70	140	210	280	350	420	490	560	630	700	10
" 13"	75⅚	151⅔	227½	303⅓	379⅙	455	530⅚	606⅔	682½	758⅓	10
" 14"	81⅔	163⅓	245	326⅔	408⅓	490	571⅔	653⅓	735	816⅔	10
" 15"	87½	175	262½	350	437½	525	612½	700	787½	875	10
" 16"	93⅓	186⅔	280	373⅓	466⅔	560	653⅓	746⅔	840	933⅓	10
" 17"	99⅙	198⅓	297½	396⅔	495⅚	595	694⅙	793⅓	892½	991⅔	10
" 18"	105	210	315	420	525	630	735	840	945	1050	10
" 19"	110⅚	221⅔	332½	443⅓	554⅙	665	775⅚	886⅔	997½	1108⅓	10
" 20"	116⅔	233⅓	350	466⅔	583⅓	700	816⅔	933⅓	1050	1166⅔	10
" 21"	122½	245	367½	490	612½	735	857½	980	1102½	1225	10
" 22"	128⅓	256⅔	385	513⅓	641⅔	770	898⅓	1026⅔	1155	1283⅓	10
" 23"	134⅙	268⅓	402½	536⅔	670⅚	805	939⅙	1073⅓	1207½	1341⅔	10
" 24"	140	280	420	560	700	840	980	1120	1260	1400	10

Explanations for above tables. Having been requested to add the above tables by a number of persons dealing in switch ties, we give a few examples. (See also page 2.) Suppose you wish to find the number of feet in 100 pieces 7 x 10 = 11 ft. First find number of feet in 10 pieces, which is 641⅔, for 100 pieces drop fraction ⅔ and add 6⅔. 6416⅔ feet the number feet in 100 pieces. 55 pieces 7 x 9 = 13. First find number of feet in 5 pieces (see table above). 5 pieces 341¼ feet, for 50 pieces drop fraction ¼ and add 2½ and you have 3412½ feet, add the number of feet given above for 5 pieces..... 341¼

3753¾

feet, the correct answer for 55 pieces.

To find number of feet in greater number of pieces than shown in tables: *To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.*

7x9
7x10
1¼ in.
1½ in.
1¾ in.
2 in.
3 in.
4 in.
5 in.
6 in.
7 in.
8 in.
9 in.
10 in.
11 & 12 in.
13 & 14 in.
15 to 17 in.
18 to 24 in.
25 to 30 in.
1 & 2 ft.

To Compute without the Fraction ⅓.

	1	2	3	4	5	6	7	8	9	10	
	1	⅔	1	1⅓	1⅔	2	2⅓	2⅔	3	3⅓	**10**
10	3⅓	4	4⅓	4⅔	5	5⅓	5⅔	6	6⅓	6⅔	**20**
20	7	7⅓	7⅔	8	8⅓	8⅔	9	9⅓	9⅔	10	**30**
30	10⅓	10⅔	11	11⅓	11⅔	12	12⅓	12⅔	13	13⅓	**40**
40	13⅔	14	14⅓	14⅔	15	15⅓	15⅔	16	16⅓	16⅔	**50**
50	17	17⅓	17⅔	18	18⅓	18⅔	19	19⅓	19⅔	20	**60**
60	20⅓	20⅔	21	21⅓	21⅔	22	22⅓	22⅔	23	23⅓	**70**
70	23⅔	24	24⅓	24⅔	25	25⅓	25⅔	26	26⅓	26⅔	**80**
80	27	27⅓	27⅔	28	28⅓	28⅔	29	29⅓	29⅔	30	**90**
90	30⅓	30⅔	31	31⅓	31⅔	32	32⅓	32⅔	33	33⅓	**100**
100	33⅔	34	34⅓	34⅔	35	35⅓	35⅔	36	36⅓	36⅔	**110**
110	37	37⅓	37⅔	38	38⅓	38⅔	39	39⅓	39⅔	40	**120**
120	40⅓	40⅔	41	41⅓	41⅔	42	42⅓	42⅔	43	43⅓	**130**
130	43⅔	44	44⅓	44⅔	45	45⅓	45⅔	46	46⅓	46⅔	**140**
140	47	47⅓	47⅔	48	48⅓	48⅔	49	49⅓	49⅔	50	**150**
150	50⅓	50⅔	51	51⅓	51⅔	52	52⅓	52⅔	53	53⅓	**160**
160	53⅔	54	54⅓	54⅔	55	55⅓	55⅔	56	56⅓	56⅔	**170**
170	57	57⅓	57⅔	58	58⅓	58⅔	59	59⅓	59⅔	60	**180**
180	60⅓	60⅔	61	61⅓	61⅔	62	62⅓	62⅔	63	63⅓	**190**
190	63⅔	64	64⅓	64⅔	65	65⅓	65⅔	66	66⅓	66⅔	**200**
200	67	67⅓	67⅔	68	68⅓	68⅔	69	69⅓	69⅔	70	**210**
210	70⅓	70⅔	71	71⅓	71⅔	72	72⅓	72⅔	73	73⅓	**220**
220	73⅔	74	74⅓	74⅔	75	75⅓	75⅔	76	76⅓	76⅔	**230**
230	77	77⅓	77⅔	78	78⅓	78⅔	79	79⅓	79⅔	80	**240**
240	80⅓	80⅔	81	81⅓	81⅔	82	82⅓	82⅔	83	83⅓	**250**
250	83⅔	84	84⅓	84⅔	85	85⅓	85⅔	86	86⅓	86⅔	**260**
260	87	87⅓	87⅔	88	88⅓	88⅔	89	89⅓	89⅔	90	**270**
270	90⅓	90⅔	91	91⅓	91⅔	92	92⅓	92⅔	93	93⅓	**280**
280	93⅔	94	94⅓	94⅔	95	95⅓	95⅔	96	96⅓	96⅔	**290**
290	97	97⅓	97⅔	98	98⅓	98⅔	99	99⅓	99⅔	100	**300**
300	100⅓	100⅔	101	101⅓	101⅔	102	102⅓	102⅔	103	103⅓	**310**
310	103⅔	104	104⅓	104⅔	105	105⅓	105⅔	106	106⅓	106⅔	**320**
320	107	107⅓	107⅔	108	108⅓	108⅔	109	109⅓	109⅔	110	**330**
330	110⅓	110⅔	111	111⅓	111⅔	112	112⅓	112⅔	113	113⅓	**340**
340	113⅔	114	114⅓	114⅔	115	115⅓	115⅔	116	116⅓	116⅔	**350**
350	117	117⅓	117⅔	118	118⅓	118⅔	119	119⅓	119⅔	120	**360**
360	120⅓	120⅔	121	121⅓	121⅔	122	122⅓	122⅔	123	123⅓	**370**
370	123⅔	124	124⅓	124⅔	125	125⅓	125⅔	126	126⅓	126⅔	**380**
380	127	127⅓	127⅔	128	128⅓	128⅔	129	129⅓	129⅔	130	**390**
390	130⅓	130⅔	131	131⅓	131⅔	132	132⅓	132⅔	133	133⅓	**400**
400	133⅔	134	134⅓	134⅔	135	135⅓	135⅔	136	136⅓	136⅔	**410**
410	137	137⅓	137⅔	138	138⅓	138⅔	139	139⅓	139⅔	140	**420**
420	140⅓	140⅔	141	141⅓	141⅔	142	142⅓	142⅔	143	143⅓	**430**
430	143⅔	144	144⅓	144⅔	145	145⅓	145⅔	146	146⅓	146⅔	**440**
440	147	147⅓	147⅔	148	148⅓	148⅔	149	149⅓	149⅔	150	**450**
450	150⅓	150⅔	151	151⅓	151⅔	152	152⅓	152⅔	153	153⅓	**460**
460	153⅔	154	154⅓	154⅔	155	155⅓	155⅔	156	156⅓	156⅔	**470**
470	157	157⅓	157⅔	158	158⅓	158⅔	159	159⅓	159⅔	160	**480**
480	160⅓	160⅔	161	161⅓	161⅔	162	162⅓	162⅔	163	163⅓	**490**
490	163⅔	164	164⅓	164⅔	165	165⅓	165⅔	166	166⅓	166⅔	**500**

EXPLANATIONS FOR ALL SIZES.

Pages from 123 to 158 have all the sizes in general use and many of the odd sizes. First, pages 126 to 131 gives $1\frac{1}{4}$, $1\frac{1}{2}$ and $1\frac{3}{4}$ thick and from 1 to 36 inches wide, and where tables are given in Buyer and Seller the page index is given. Pages 132 to 158 give all sizes in general use from 2x2 to 30x30 inches with page index where tables are given, in Buyer and Seller many sizes not given, can be readily found by taking $\frac{3}{4}$ or $\frac{1}{2}$ or $\frac{1}{4}$, etc., etc., of the sizes or number of pieces given. Example: Suppose you wish to find the number of feet in 33 pieces $1\frac{1}{4}$x17=16, see next page (126) column for 16 feet gives $28\frac{1}{3}$ feet for one piece $1\frac{1}{4}$x17=16 and in page column we find 71 given, on which page we find table for $28\frac{1}{3}$; turn to page 71 and we find that one piece $1\frac{1}{4}$x17=16 contains same number of feet as one piece $\frac{1x17}{2x\ 8\frac{1}{2}}$=20, and that 33 pieces contain 935 feet, the correct number of feet in 33 pieces $1\frac{1}{4}$x17 16. For 72 pieces $1\frac{1}{2}$x21=12, see page 128, size $1\frac{1}{2}$x21=12 contains $31\frac{1}{2}$ and page 86 is given for table of $31\frac{1}{2}$ feet. Turn to page 86 and we find that table for $\frac{1x21}{2x10\frac{1}{2}}$=18, has same number of feet and 72 pieces contain 2268 feet. For 85 pieces $1\frac{3}{4}$x14=16 see page 130, one piece contains $32\frac{2}{3}$ feet and page 99 has table for $32\frac{2}{3}$; turn to page 99, see table $\frac{2x14}{4x\ 7}$=14, and we find for 85 pieces 2776$\frac{2}{3}$ feet is given, the correct answer for 85 pieces $1\frac{3}{4}$x14=16.

For 38 pieces 5x10=28, see page 139 for 1 piece $116\frac{2}{3}$ feet is given and page 115. See page 115, table for 10x10=14 feet and we find that 38 pieces 5x10=28 would contain $4433\frac{1}{3}$ feet. If we should want to find for 380 pieces, drop fraction $\frac{1}{3}$ and add $1\frac{1}{3}$ and we have $44333\frac{1}{3}$ feet; if for 383 pieces add the number of feet given for 3 $\frac{350}{44683\frac{1}{3}}$ feet in 383 pieces.

For 980 pieces 4x7=10 feet see page 136; find 1 piece contains $23\frac{1}{3}$ feet and page 78 for table of that number of feet. Turn to page 78; first find number of feet in 98 pieces which is $2286\frac{2}{3}$ feet; for 980 drop fraction $\frac{2}{3}$ and add $6\frac{2}{3}$ and we have 22866$\frac{2}{3}$ feet, the correct number of feet in 980 pieces 4x7=10 feet.

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See further explanations on page 159 of the larger book, eighth edition.

1¼ in.
1½ in.
1¾ in.
2 in.
3 in.
4 in.
5 in.
6 in.
7 in.
8 in.
9 in.
10 in.
11 & 12 in.
13 & 14 in.
15 to 17 in.
18 to 24 in.
25 to 30 in.
1 & 2 ft.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1¼x 1	5/8		5/8		1 1/24		1¼		1 11/24		1 2/3	6	1 7/8		2 1/12	
" 2	1¼		1 2/3	6	2 1/12		2½	9	2 11/12		3 1/3	8	3 3/4		4 1/6	21
" 3	1 7/8		2½	9	3 3/8		3¾		4 3/8		5	14	5 5/8		6 4/4	
" 4	2½	9	3 1/3	8	4 1/6	21	5	14	5 5/6		6 2/3	20	7½		8 1/3	70
" 5	3 1/8		4 1/6	21	5 5/24		6¼		7 7/24		8 1/3	22	9 3/8		10 5/12	
" 6	3¾		5	14	6¼		7½	22	8¾		10	28	11¼		12½	60
" 7	4 3/8		5 5/6	22	7 7/24		8¾		10 5/24		11 2/3	42	13 1/8		14 7/12	
" 8	5	14	6 2/3	20	8 1/3	22	10	28	11 2/3	42	13 1/3	37	15		16 2/3	45
" 9	5 5/8		7½	22	9 3/8		11¼		13 1/8		15	44	16 7/8		18 3/4	
" 10	6¼		8 1/3	22	10 5/12		12½	60	14 7/12		16 2/3	45	18 3/4		20 5/6	
" 11	6 7/8		9 1/6	46	11 11/24		13¾		16 1/24		18 1/3	47	20 5/8		22 11/12	
" 12	7½	22	10	28	12½	60	15	44	17½	61	20	53	22½		25	61
" 13	8 1/8		10 5/6	28	13 13/24		16¼		18 23/24		21 2/3	57	24 3/8		27 1/12	
" 14	8¾		11 2/3	42	14 7/12		17½	61	20 5/12		23 1/3	78	26¼		29 1/6	
" 15	9 3/8		12½	60	15 5/6		18¾		21 5/8		25	61	28 1/8		31¼	
" 16	10	28	13 1/3	37	16 2/3	45	20	53	23 1/3	78	26 2/3	67	30	80	33 1/3	81
" 17	10 5/8		14 1/6	70	17 17/24		21¼		24 19/24		28 1/3	71	31 7/8		35 5/12	
" 18	11¼		15	44	18¾		22½	61	26¼		30	80	33¾		37½	
" 19	11 7/8		15 5/6	74	19 19/24		23¾		27 17/24		31 2/3	75	35 5/8		39 7/12	
" 20	12½	60	16 2/3	45	20 5/8		25	61	29 1/6		33 1/3	81	37½		41 2/3	
" 21	13 1/8		17½	61	21 7/8		26¼		30 5/8		35	86	39 3/8		43 3/4	
" 22	13¾		18 1/3	47	22 11/12		27½		32 1/12		36 2/3	82	41¼		45 5/8	
" 23	14 3/8		19 1/6	89	23 23/24		28¾		33 13/24		38 1/3	90	43 1/8		47 11/12	
" 24	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	
" 25	15 5/8		20 5/8		26 1/24		31¼		36 11/24		41 2/3		46 7/8		52 1/12	48
" 26	16¼		21 2/3	57	27 1/12		32½		37 11/12		43 1/3	83	48 3/4		54 1/6	
" 27	16 7/8		22 1/2	61	28 1/8		33¾		39 3/8		45	103	50 5/8		56¼	

See explanations pages 2, 3 and 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1¼x28	17½	61	23⅓	78	29⅛		35	86	40⅝		46⅔	84	52½	123	58⅓	101
" 29	18⅛		24⅛		30 5/24		36¼		42 7/24		48⅛		54⅝		60 5/12	
" 30	18¾		25	61	31¼		37½		43¾		50	84	56¼		62½	
" 31	19⅜		25⅝		32 7/24		38¾		45 5/24		51⅝		58⅛		64 7/12	
" 32	20	53	26⅔	67	33⅓	81	40	83	46⅔	84	53⅓		60	98	66⅔	
" 33	20⅝		27½		34⅜		41¼		48⅛		55	104	61⅞		68¾	
" 34	21¼		28⅓	71	35 5/12		42½		49 7/12		56⅔		63¾		70⅝	
" 35	21⅞		29⅛		36 11/24		43¾		51 1/24		58⅓	101	65⅝		72 11/12	
" 36	22½	61	30	80	37½		45	103	52½	123	60	98	67½		75	105

Combination of Sizes and Lengths.

The number of feet in nearly all sizes where tables are not given can be readily found by taking the next multiple of size you wish to find and then taking one-half, one-quarter, etc., etc., of the number of pieces. Example: Suppose you wish to find the number of feet in 38 pieces 1¼x6=10 feet. Table for 1¼x6=10 not given. See 1¼x6=20 12½ feet, and page 60 for table of 12½. Turn to page 60, see table for $\frac{1x15}{2x\ 7\frac{1}{2}}$=10 feet, take one-half the number of pieces you wish to find for (19), and we find 237½ feet in 38 pieces 1¼x6=10 feet. Same answer would be the result if you take half number of pieces 1¼x12=10 feet, or one-quarter number of pieces of 1¼x24=10 feet, etc., etc.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1½x 1	¾		1	5	1¼		1½	6	1¾		2	7	2¼		2½	9
" 2	1½	6	2	7	2½	9	3	10	3½	11	4	12	4½	13	5	14
" 3	2¼		3	10	3¾		4½	13	5¼		6	19	6¾		7½	22
" 4	3	10	4	12	5	14	6	19	7	25	8	26	9	27	10	28
" 5	3¾		5	14	6¼		7½	22	8¾		10	28	11¼		12½	60
" 6	4½	13	6	19	7½	22	9	27	10½	30	12	36	13½	39	15	44
" 7	5¼		7	25	8¾		10½	30	12¼		14	50	15¾		17½	61
" 8	6	19	8	26	10	28	12	36	14	50	16	51	18	52	20	53
" 9	6¾		9	27	11¼		13½	39	15¾		18	52	20¼		22½	61
" 10	7½	22	10	28	12½	60	15	44	17½	61	20	53	22½	61	25	61
" 11	8¼		11	46	13¾		16½	47	19¼		22	54	24¾		27½	
" 12	9	27	12	36	15	44	18	52	21	59	24	55	27	73	30	80
" 13	9¾		13	56	16¼		19½	57	22¾		26	206	29¼		32½	
" 14	10½	30	14	50	17½	61	21	59	24½	86	28	93	31½	86	35	86
" 15	11¼		15	44	18¾		22½	61	26¼		30	80	33¾		37½	
" 16	12	36	16	57	20	53	24	55	28	93	32	69	36	95	40	83
" 17	12¾		17	70	21¼		25½	71	29¾		34	208	38¼		42½	
" 18	13½	39	18	52	22½	61	27	73	31½	86	36	95	40½		45	103
" 19	14¼		19	74	23¾		28½	75	33¼		38	208	42¾		47½	
" 20	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	84
" 21	15¾		21	59	26¼		31½	86	36¾		42	99	47¼		52½	123
" 22	16½	47	22	54	27½		33	88	38½		44	96	49½		55	104
" 23	17¼		23	89	28¾		34½	90	40¼		46	216	51¾		57½	
" 24	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98
" 25	18¾		25	61	31¼		37½		43¾		50	84	56¼		62½	
" 26	19½	57	26	206	32½		39	208	45½		52	97	58½		65	104
" 27	20¼		27	73	33¾		40½		47¼		54	106	60¾		67½	

See explanations pages 2, 3, 4 and 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1½x28	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101
" 29	21¾		29	206	36¼		43½		50¾		58	212	65¼		72½	
" 30	22½	61	30	80	37½		45	103	52½	123	60	98	67½		75	105
" 31	23¼		31	208	38¾		46½		54¼		62		69¾		77½	
" 32	24	55	32	69	40	83	48	97	56	98	64		72	107	80	109
" 33	24¾		33	88	41¼		49½		57¾		66		74¼		82½	
" 34	25½	71	34	182	42½		51	212	59½		68		76½		85	218
" 35	26¼		35	86	43¾		52½	123	61¼		70	101	78¾		87½	102
" 36	27	73	36	95	45	103	54	106	63	123	72	107	81	192	90	108

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅝, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See explanations pages 125, 2 and 3.

Note—For all odd sizes and lengths see pages 160 to 200. Nearly 9,000 sizes are given.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1¾x 1	7/8		1 1/6	6	1 11/24		1 3/4		2 1/24		2 1/8	8	2 5/8		2 11/12	
" 2	1 3/4		2 3/8	8	2 11/12		3 1/2	11	4 1/12		4 2/8	17	5 1/4		5 5/8	22
" 3	2 5/8		3 1/2	11	4 3/8		5 1/4		6 1/2		7	25	7 7/8		8 2/4	
" 4	3 1/2	11	4 3/8	17	5 5/8	22	7	25	8 1/8	30	9 1/3		10 1/2	30	11 3/8	42
" 5	4 3/8		5 5/8	22	7 1/24		8 3/4		10 5/24		11 2/3	42	13 1/8		14 7/12	
" 6	5 1/4		7	25	8 3/4		10 1/2	30	12 1/4		14	50	15 3/4		17 1/2	61
" 7	6 1/8		8 1/6	30	10 5/24		12 1/4		14 7/24		16 1/3	59	18 3/8		20 5/12	
" 8	7	25	9 1/3	34	11 3/8	42	14	50	16 1/3	59	18 2/3	64	21	59	23 1/3	78
" 9	7 7/8		10 1/2	30	13 1/8		15 3/4		18 3/8		21	59	23 5/8		26 1/4	
" 10	8 3/4		11 3/8	42	14 7/12		17 1/2	61	20 5/12		23 1/3	78	26 1/4		29 1/6	
" 11	9 5/8		12 5/8	47	16 1/24		19 1/4		22 11/24		25 2/3	88	28 7/8		32 1/12	
" 12	10 1/2	30	14	50	17 1/2	61	21	59	24 1/2	86	28	93	31 1/2	86	35	86
" 13	11 3/8		15 1/6	57	18 23/24		22 3/4		26 13/24		30 1/3		34 1/8		37 11/12	
" 14	12 1/4		16 1/3	59	20 5/12		24 1/2	86	28 7/12		32 2/3	99	36 3/4		40 5/6	
" 15	13 1/8		17 1/2	61	21 7/8		26 1/4		30 5/8		35	86	39 3/8		43 3/4	
" 16	14	50	18 2/3	64	23 1/3	78	28	93	32 2/3	99	37 1/3	99	42	99	46 2/3	84
" 17	14 7/8		19 5/8	71	24 19/24		29 3/4		34 17/24		39 2/3		44 5/8		49 7/12	
" 18	15 3/4		21	59	26 1/4		31 1/2	86	36 3/4		42	99	47 1/2		52 1/2	123
" 19	16 5/8		22 1/6	75	27 17/24		33 1/4		38 19/24		44 1/3		49 7/8		55 5/12	
" 20	17 1/2	61	23 1/3	78	29 1/6		35	86	40 5/8		46 2/3	84	52 1/2	123	58 1/3	101
" 21	18 3/8		24 1/2	86	30 5/8		36 3/4		42 7/8		49	210	55 1/8		61 1/4	
" 22	19 1/4		25 2/3	88	32 1/12		38 1/2		44 11/12		51 1/3	100	57 3/4		64 1/6	
" 23	20 1/8		26 5/8	90	33 13/24		40 1/4		46 23/24		53 2/3		60 3/8		67 1/12	
" 24	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101
" 25	21 7/8		29 1/6		36 11/24		43 3/4		51 1/24		58 1/3	101	65 5/8		72 11/12	
" 26	22 3/4		30 1/3		37 11/12		45 1/2		53 1/12		60 2/3	100	68 1/4		75 5/8	
" 27	23 5/8		31 1/2	86	39 3/8		47 1/4		55 1/8		63	123	70 7/8		78 3/4	

Size	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1¾x28	24½	86	32⅝	99	40⅝		49	184	57⅛		65⅓	100	73½	123	81⅜	102
" 29	25⅜		33⅞		42 7/24		50¾		59 5/24		67⅔		76⅛		84 7/12	
" 30	26¼		35	86	43¾		52½	123	61¼		70	101	78¾		87½	102
" 31	27⅛		36⅛		45 5/24		54¼		63 7/24		72⅓		81⅜		90 5/12	
" 32	28	93	37⅓	99	46⅔	84	56	98	65⅓	100	74⅔	111	84	108	93⅓	113
" 33	28⅞		38½		48⅛		57¾		67⅜		77	190	86⅝		96¼	
" 34	29¾		39⅔		49 7/12		59½		69 5/12		79⅓		89¼		99⅛	123
" 35	30⅝		40⅞		51 1/24		61¼		71 11/24		81⅝	102	91⅞		102 1/12	
" 36	31½	86	42	99	52½	123	63	123	73½	123	84	108	94½	123	105	123

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅛, drop the fraction and annex 1⅜; for ⅝, annex 8⅛, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½; for 1/12, annex 0⅝; for 5/12, annex 4⅛; for 7/12, annex 5⅝; for 11/12, annex 9⅛. Annexing the figure is equivalent to multiplying by 10.

See explanation pages 2, 3 and 125.

	Length. 6		Length. 8		Length. 10		Length 12		Length. 14		Length. 16		Length. 18		Length. 20		Length 22	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
2x 2 ...	2	7	2⅔	8	3⅓	8	4	12	4⅔	17	5⅓	18	6	19	6⅔	20	7⅓	46
" 3 ...	3	10	4	12	5	14	6	19	7	25	8	26	9	27	10	28	11	46
" 4 ...	4	12	5⅓	18	6⅔	20	8	26	9⅓	34	10⅔	35	12	36	13⅓	37	14⅔	47
" 5 ...	5	14	6⅔	20	8⅓	22	10	28	11⅔	42	13⅓	37	15	44	16⅔	45	18⅓	47
" 6 ...	6	19	8	26	10	28	12	36	14	50	16	51	18	52	20	53	22	54
" 7 ...	7	25	9⅓	34	11⅔	42	14	50	16⅓	59	18⅔	64	21	59	23⅓	78	25⅔	88
" 8 ...	8	26	10⅔	35	13⅓	37	16	51	18⅔	64	21⅓	65	24	55	26⅔	67	29⅓	68
" 9 ...	9	27	12	36	15	44	18	52	21	59	24	55	27	73	30	80	33	88
"10 ...	10	28	13⅓	37	16⅔	45	20	53	23⅓	78	26⅔	67	30	80	33⅓	81	36⅔	82
"11 ...	11	46	14⅔	47	18⅓	47	22	54	25⅔	88	29⅓	68	33	88	36⅔	82	40⅓	96
"12 ...	12	36	16	51	20	53	24	55	28	93	32	69	36	95	40	83	44	
"13 ...	13	56	17⅓	57	21⅔	57	26	206	30⅓		34⅔		39	208	43⅓	83	47⅔	
"14 ...	14	50	18⅔	64	23⅓	78	28	93	32⅔	99	37⅓	99	42	99	46⅔	84	51⅓	
"15 ...	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	84	55	104
"16 ...	16	51	21⅓	65	26⅔	67	32	69	37⅓	99	42⅔		48	97	53⅓		58⅔	
"17 ...	17	70	22⅔	71	28⅓	71	34	208	39⅔		45⅓		51	212	56⅔		62⅓	
"18 ...	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98	66	107
"19 ...	19	74	25⅓	75	31⅔	75	38	208	44⅓		50⅔		57	212	63⅓		69⅔	
"20 ...	20	53	26⅔	67	33⅓	81	40	83	46⅔	84	53⅓		60	98	66⅔		73⅓	
"21 ...	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101	77	216
"22 ...	22	54	29⅓	68	36⅔	82	44	96	51⅓	100	58⅔		66	107	73⅓		80⅔	
"23 ...	23	89	30⅔	90	38⅓	90	46	184	53⅔		61⅓		69	98	76⅔		84⅓	
"24 ...	24	55	32	69	40	83	48	97	56	98	64	109	72	107	80	109	88	109

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅛, drop the fraction and annex 1⅔; for ⅜, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
2x 2 ...	8	26	8⅔	56	9⅓	34	10	28	10⅔	35	11⅓	70	12	36	12⅔	74	13⅓	57
" 3 ...	12	36	13	56	14	50	15	44	16	51	17	70	18	52	19	74	20	53
" 4 ...	16	51	17⅓	57	18⅔	64	20	53	21⅓	65	22⅔	71	24	55	25⅓	75	26⅔	67
" 5 ...	20	53	21⅔	57	23⅓	78	25	61	26⅔	67	28⅓	208	30	80	31⅔	75	33⅓	
" 6 ..	24	55	26	206	28	93	30	80	32	69	34		36	95	38	208	40	83
" 7 ...	28	93	30⅓		32⅔	99	35	86	37⅓	99	39⅔		42	99	44⅓		46⅔	84
" 8 ...	32	69	34⅔		37⅓	99	40	83	42⅔		45⅓		48	97	50⅔		53⅓	
" 9 ...	36	95	39	208	42	99	45	103	48	97	51	212	54	106	57	212	60	98
" 10 ...	40	83	43⅓	83	46⅔	84	50	84	53⅓		56⅔		60	98	63⅓		66⅔	
" 11 ...	44	96	47⅔		51⅓	100	55	104	58⅔		62⅓		66	107	69⅔		73⅓	
" 12 ...	48	97	52	97	56	98	60	98	64	109	68	214	72	107	76	216	80	109
" 13 ...	52	97	56⅓		60⅔	100	65	104	69⅓		73⅔		78	107	82⅓		86⅔	
" 14 ...	56	98	60⅔	100	65⅓	100	70	101	74⅔	111	79⅓		84	108	88⅔		93⅓	113
" 15 ...	60	98	65	104	70	101	75	105	80	109	85	218	90	108	95	220	100	115
" 16 ...	64	109	69⅓		74⅔	111	80	109	85⅓	111	90⅔		96	110	101⅓		106⅔	112
" 17 ...	68	214	73⅔		79⅓		85	218	90⅔		96⅓		102		107⅔		113⅓	
" 18 ...	72	107	78	107	84	108	90	108	96	110	102		108		114		120	110
" 19 ...	76	216	82⅓		88⅔		95	220	101⅓		107⅔		114		120⅓		126⅔	
" 20 ...	80	109	86⅔		93⅓	113	100	115	106⅔	112	113⅓		120	110	126⅔		133⅓	116
" 21 ...	84	108	91	220	98	220	105	123	112	110	119		126	123	133		140	118
" 22 ...	88	109	95⅓		102⅔		110		117⅓	112	124⅔		132		139⅓		146⅔	114
" 23 ...	92	220	99⅔		107⅓		115		122⅔		130⅓		138		145⅔		153⅓	
" 24 ...	96	110	104	110	112	110	120	110	128	110	136	110	144	110	152		160	111

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{6}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{6}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{4}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$. See explanation pages 2, 3, 125.

	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
3x 3 ...	4½	13	6	19	7½	22	9	27	10½	30	12	36	13½	39	15	44	16½	47
" 4 ...	6	19	8	26	10	28	12	36	14	50	16	51	18	52	20	53	22	54
" 5 ...	7½	22	10	28	12½	60	15	44	17½	61	20	53	22½	61	25	61	27½	
" 6 ...	9	27	12	36	15	44	18	52	21	59	24	55	27	73	30	80	33	88
" 7 ...	10½	30	14	50	17½	61	21	59	24½	86	28	93	31½	90	35	86	38½	
" 8 ...	12	36	16	51	20	53	24	55	28	93	32	69	36	95	40	83	44	96
" 9 ...	13½	39	18	52	22½	61	27	73	31½	86	36	95	40½		45	103	49½	
"10 ...	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	84	55	104
"11 ...	16½	47	22	54	27½		33	88	38½		44	96	49½		55	104	60½	
"12 ...	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98	66	107
"13 ...	19½	57	26	206	32½		39	208	45½		52	97	58½		65	104	71½	
"14 ...	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101	77	216
"15 ...	22½	61	30	80	37½		45	103	52½	123	60	98	67½		75	105	82½	
"16 ...	24	55	32	69	40	83	48	97	56	98	64	109	72	107	80	109	88	109
"17 ...	25½	71	34	208	42½		51	212	59½		68	214	76½		85	218	93½	
"18 ...	27	73	36	95	45	103	54	106	63	123	72	107	81	218	90	108	99	220
"19 ...	28½	75	38	208	47½		57	212	66½		76	216	85½		95	220	104½	
"20 ...	30	80	40	83	50	84	60	98	70	101	80	109	90	108	100	115	110	
"21 ...	31½	86	42	99	52½	123	63	123	73½	123	84	108	94½	123	105	123	115½	
"22 ...	33	88	44	96	55	104	66	107	77	216	88	109	99	220	110		121	
"23 ...	34½	90	46	210	57½		69	214	80½		92	220	103½		115		126½	
"24 ...	36	95	48	97	60	98	72	107	84	108	96	110	108		120	110	132	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{8}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{8}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{4}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{2}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
3x 3 ...	18	52	19½	57	21	59	22½	61	24	55	25½	71	27	73	28½	75	30	80
" 4 ...	24	55	26	206	28	93	30	80	32	69	34	208	36	95	38	208	40	83
" 5 ...	30	80	32½		35	86	37½		40	83	42½		45	103	47½		50	84
" 6 ...	36	95	39	208	42	99	45	103	48	97	51	212	54	106	57	212	60	98
" 7 ...	42	99	45½		49	210	52½	123	56	98	59½		63	123	66½		70	101
" 8 ...	48	97	52	97	56	98	60	98	64	109	68	214	72	107	76	216	80	109
" 9 ...	54	106	58½		63	123	67½		72	107	76½		81	218	85½		90	108
" 10 ...	60	98	65	104	70	101	75	105	80	109	85	218	90	108	95	220	100	115
" 11 ...	66	107	71½		77	216	82½		88	109	93½		99	220	104½		110	
" 12 ...	72	107	78	107	84	108	90	108	96	110	102		108		114		120	110
" 13 ...	78	107	84½		91	220	97½		104	110	110½		117		123½		130	
" 14 ...	84	108	91	220	98	220	105	123	112	110	119		126	123	133		140	118
" 15 ...	90	108	97½		105	123	112½		120	110	127½		135		142½		150	
" 16 ...	96	110	104	110	112	110	120	110	128	110	136	110	144	110	152	111	160	111
" 17 ...	102		110½		119		127½		136	110	144½		153		161½		170	
" 18 ...	108		117		126	123	135		144	110	153		162		171		180	118
" 19 ...	114		123½		133		142½		152	111	161½		171		180½		190	
" 20 ...	120	110	130		140	118	150	116	160	111	170		180	118	190		200	116
" 21 ...	126	123	136½		147		157½		168	120	178½		189		199½		210	
" 22 ...	132		143		154		165		176		187		198		209		220	118
" 23 ...	138		149½		161		172½		184		195½		207		218½		230	
" 24 ...	144	110	156		168	120	180	118	192	113	204		216	120	228		240	115

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{8}$, drop the fraction and annex 1⅔; for $\frac{5}{8}$, annex 8⅓, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex 3⅓; for $\frac{2}{3}$, annex 6⅔; for $\frac{1}{4}$, annex 2½; for $\frac{3}{4}$, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
4x 4 ...	8	26	10⅔	35	13⅓	37	16	51	18⅔	64	21⅓	65	24	55	26⅔	67	29⅓	68
" 5 ...	10	28	13⅓	70	16⅔	45	20	53	23⅓	78	26⅔	67	30	80	33⅓	81	36⅔	82
" 6 ..	12	36	16	51	20	53	24	55	28	93	32	69	36	95	40	83	44	96
" 7 ...	14	50	18⅔	64	23⅓	78	28	93	32⅔	99	37⅓	99	42	99	46⅔	84	51⅓	100
" 8 ...	16	51	21⅓	65	26⅔	67	32	69	37⅓	99	42⅔		48	97	53⅓		58⅔	
" 9 ...	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98	66	107
" 10 ...	20	53	26⅔	67	33⅓	81	40	83	46⅔	84	53⅓		60	98	66⅔		73⅓	
" 11 ...	22	54	29⅓	68	36⅔	82	44	96	51⅓	100	58⅔		66	107	73⅓		80⅔	
" 12 ...	24	55	32	69	40	83	48	97	56	98	64	109	72	107	80	109	88	109
" 13 ...	26	206	34⅔		43⅓	83	52	97	60⅔		69⅓		78	107	86⅔		95⅓	
" 14 ...	28	93	37⅓	99	46⅔	84	56	98	65⅓	100	74⅔	111	84	108	93⅓	113	102⅔	
" 15 ...	30	80	40	83	50	84	60	98	70	101	80	109	90	108	100	115	110	
" 16 ...	32	69	42⅔		53⅓		64	109	74⅔	111	85⅓	111	96	110	106⅔	112	117⅓	112
" 17 ...	34	208	45⅓		56⅔		68	214	79⅓		90⅔		102		113⅓		124⅔	
" 18 ...	36	95	48	97	60	98	72	107	84	108	96	110	108		120	110	132	
" 19 ...	38	208	50⅔		63⅓		76	216	88⅔		101⅓		114		126⅔		139⅓	
" 20 ...	40	83	53⅓		66⅔		80	109	93⅓	113	106⅔	112	120	110	133⅓	116	146⅔	114
" 21 ...	42	99	56	98	70	101	84	108	98	220	112	110	126	123	140	118	154	
" 22 ...	44	96	58⅔		73⅓		88	109	102⅔		117⅓	112	132		146⅔	114	161⅓	
" 23 ...	46	216	61⅓		76⅔		92	220	107⅓		122⅔		138		153⅓		168⅔	116
" 24 ...	48	97	64	109	80	109	96	110	112	110	128	110	144	110	160	111	176	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{6}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{6}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{4}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
4x 4 ...	32	69	34⅔		37⅓	99	40	83	42⅔		45⅓		48	97	50⅔		53⅓	
" 5 ...	40	83	43⅓	83	46⅔	84	50	84	53⅓		56⅔		60	98	63⅓		66⅔	
" 6 ...	48	97	52	97	56	98	60	98	64	109	68	214	72	107	76	216	80	109
" 7 ...	56	98	60⅔	100	65⅓	100	70	101	74⅔	111	79⅓		84	108	88⅔		93⅓	113
" 8 ...	64	109	69⅓		74⅔	111	80	109	85⅓	111	90⅔		96	110	101⅓		106⅔	112
" 9 ...	72	107	78	107	84	108	90	108	96	110	102		108		114		120	110
" 10 ...	80	109	86⅔		93⅓	113	100	115	106⅔	112	113⅓		120	110	126⅔		133⅓	116
" 11 ...	88	109	95⅓		102⅔		110		117⅓	112	124⅔		132		139⅓		146⅔	114
" 12 ...	96	110	104	110	112	110	120	110	128	110	136	110	144	110	152		160	111
" 13 ...	104	110	112⅔		121⅓		130		138⅔	112	147⅓		156		164⅔		173⅓	
" 14 ...	112	110	121⅓		130⅔		140	118	149⅓	112	158⅔		168	120	177⅓		186⅔	114
" 15 ...	120	110	130		140	118	150	116	160	111	170		180	118	190		200	116
" 16 ...	128	110	138⅔	112	149⅓	112	160	111	170⅔	112	181⅓	113	192	113	202⅔		213⅓	113
" 17 ...	136	110	147⅓		158⅔		170		181⅓	113	192⅔		204		215⅓		226⅔	115
" 18 ...	144	110	156		168	120	180	118	192	113	204		216	120	228		240	115
" 19 ...	152	111	164⅔		177⅓		190		202⅔	113	215⅓		228		240⅔		253⅓	115
" 20 ...	160	111	173⅓		186⅔	114	200	116	213⅓	113	226⅔	115	240	115	253⅓	115	266⅔	115
" 21 ...	168	120	182		196		210		224		238		252		266		280	119
" 22 ...	176		190⅔		205⅓		220	118	234⅔		249⅓		264	121	278⅔		293⅓	
" 23 ...	184		199⅓		214⅔		230		245⅓		260⅔		276		291⅓		306⅔	
" 24 ...	192	113	208		224		240	115	256		272		288	121	304		320	119

See explanations pages 2, 3 and 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
5x 5...	12½	60	16⅔	45	20⅝		25	61	29⅛		33⅓	81	37½		41⅔		45⅝	
" 6...	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	84	55	104
" 7...	17½	61	23⅓	78	29⅛		35	86	40⅝		46⅔	84	52½	123	58⅓	101	64⅛	101
" 8...	20	53	26⅔	67	33⅓	81	40	83	46⅔	84	53½		60	98	66⅔		73⅓	
" 9...	22½	61	30	80	37½		45	103	52½	123	60	98	67½		75	105	82½	
"10...	25	61	33⅓	81	41⅔		50	84	58⅓	101	66⅔		75	105	83⅓		91⅔	
"11...	27½		36⅔	82	45⅝		55	104	64⅛	101	73⅓		82½		91⅔		100⅝	
"12...	30	80	40	83	50	84	60	98	70	101	80	109	90	108	100	115	110	
"13...	32½		43⅓	83	54⅛		65	104	75⅝	102	86⅔		97½		108⅓		119⅛	
"14...	35	86	46⅔	84	58⅓	101	70	101	81⅔	102	93⅓	113	105	123	116⅔	115	128½	123
"15...	37½		50	84	62½		75	105	87½	102	100	115	112½		125		137½	
"16...	40	83	53⅓		66⅔		80	109	93⅓	113	106⅔	112	120	110	133⅓	116	146⅔	114
"17...	42½		56⅔		70⅝		85	218	99⅛	123	113⅓		127½		141⅔		155⅝	
"18...	45	103	60	98	75	105	90	108	105	123	120	110	135		150	116	165	
"19...	47½		63⅓		79⅛		95	220	110⅝	123	126⅔		142½		158⅓		174⅛	
"20...	50	84	66⅔		83⅓		100	115	116⅔	115	133⅓	116	150	116	166⅔	116	183⅓	116
"21...	52½	123	70	101	87½	102	105	123	122½	123	140	118	157½		175		192½	
"22...	55	104	73⅓		91⅔		110		128⅓	123	146⅔	114	165		183⅓	116	201⅔	
"23...	57½		76⅔		95⅝		115		134⅛	123	153⅓		172½		191⅔		210⅝	123
"24...	60	98	80	109	100	115	120	110	140	118	160	111	180	118	200	116	220	118

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{6}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{6}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{4}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
5x 5 ...	50	84	54⅙		58⅓	101	62½		66⅔		70⅝		75	105	79⅙		83⅓	
" 6 ...	60	98	65	104	70	101	75	105	80	109	85	218	90	108	95	220	100	115
" 7 ...	70	101	75⅝	102	81⅔	102	87½	102	93⅓	113	99⅙	123	105	123	110⅝	123	116⅔	115
" 8 ...	80	109	86⅔		93⅓	113	100	115	106⅔	112	113⅓		120	110	126⅔		133⅓	116
" 9 ...	90	108	97½		105	123	112½		120	110	127½		135		142½		150	116
"10 ...	100	115	108⅓		116⅔	115	125		133⅓	116	141⅔		150	116	158⅓		166⅔	116
"11 ...	110		119⅙		128⅓	123	137½		146⅔	114	155⅝		165		174⅙		183⅓	116
"12 ...	120	116	130		140	118	150		160	111	170		180	118	190		200	116
"13 ...	130		140⅝		151⅔		162½		173⅓	114	184⅙		195		205⅝		216⅔	116
"14 ...	140	118	151⅔		163⅓		175		186⅔	114	198⅓		210		221⅔		233⅓	117
"15 ...	150	116	162½		175		187½		200	116	212½		225		237½		250	
"16 ...	160	111	173⅓	114	186⅔	114	200	116	213⅓	113	226⅔	115	240	115	253⅓	115	266⅔	115
"17 ...	170		184⅙		198⅓		212½		226⅔	115	240⅝		255		269⅙		283⅓	117
"18 ...	180	118	195		210		225		240	115	255		270		285		300	117
"19 ...	190		205⅝		221⅔		237½		253⅓	115	269⅙		285		300⅝		316⅔	117
"20 ...	200	116	216⅔	116	233⅓	117	250		266⅔	115	283⅓		300	117	316⅔		333⅓	117
"21 ...	210		227½		245		262½		280	119	297½		315		332½		350	
"22 ...	220	118	238⅓		256⅔		275		293⅓		311⅔		330		348⅓		366⅔	
"23 ...	230		249⅙		268⅓		287½		206⅔		325⅝		345		364⅙		383⅓	
"24 ...	240	115	260	119	280	119	300	117	320	119	340	119	360	121	380	120	400	120

TO COMPUTE WITHOUT THE FRACTION 1-3.

The Buyer and Seller tables are figured exact, that is, all fractions counted, but in some markets there is still in vogue a system called (give and take) whereby a piece of 2x4x14, which contains 9⅓ feet, would be counted 9 feet even. A piece of 2x4x16, containing 10⅔ feet, would be called 11 feet. On page124 we have table showing the number of feet to add or deduct as the case may require.

Rule.—Where the fraction is ⅓ deduct one-third as many feet as pieces, if ⅔ add one-third as many feet as pieces.

Example.—To find number of feet in 178 pieces, 2x4x14, by this system:

Page 34 of the Buyer and Seller gives 178 pieces, 2x4x14 feet.....1,661⅓ feet.
Page 124 gives for 178x⅓.....Loss of 59⅓ feet.
1,602 feet.

Page 35 gives for 178, 2x4x16.....1,898⅔ feet.
Page 124 for 178x⅓.....Gain of 59⅓ feet.
1,958 feet.

	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
SIZE.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
6x 6 ...	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98	66	107
" 7 ...	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101	77	216
" 8 ...	24	55	32	69	40	83	48	97	56	98	64	109	72	107	80	109	88	109
" 9 ...	27	73	36	95	45	103	54	106	63	123	72	107	81	218	90	108	99	220
"10 ...	30	80	40	83	50	84	60	98	70	101	80	109	90	108	100	115	110	
"11 ...	33	88	44	96	55	104	66	107	77	216	88	109	99	220	110		121	
"12 ...	36	95	48	97	60	98	72	107	84	108	96	110	108		120	110	132	
"13 ...	39	208	52	97	65	104	78	107	91	220	104	110	117		130		143	
"14 ...	42	99	56	98	70	101	84	108	98	220	112	110	126	123	140	118	154	
"15 ...	45	103	60	98	75	105	90	108	105	123	120	110	135		150	116	165	
"16 ...	48	97	64	109	80	109	96	110	112	110	128	110	144	110	160	111	176	
"17 ...	51	212	68	214	85	218	102		119		136	110	153		170		187	
"18 ...	54	106	72	107	90	108	108		126	123	144	110	162		180	118	198	
"19 ...	57	212	76	216	95	220	114		133		152	111	171		190		209	
"20 ...	60	98	80	109	100	115	120	110	140	118	160	111	180	118	200	116	220	118
"21 ...	63	123	84	108	105	123	126	123	147		168	120	189		210		231	
"22 ...	66	107	88	109	110		132		154		176		198		220	118	242	
"23 ...	69	214	92	220	115		138		161		184		207		230		253	
"24 ...	72	107	96	110	120	110	144	110	168	120	192	113	216	120	240	115	264	121

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{8}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{8}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{4}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$. See explanation pages 2, 3 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
6x 6...	72	107	78	107	84	108	90	108	96	110	102		108		114		120	110
" 7...	84	108	91	220	98	220	105	123	112	110	119		126	123	133		140	118
" 8...	96	110	104	110	112	110	120	110	128	110	136	110	144	110	152	111	160	111
" 9...	108		117		126	123	135		144	110	153		162		171		180	118
"10...	120	110	130		140	118	150	116	160	111	170		180	118	190		200	116
"11...	132		143		154		165		176		187		198		209		220	118
"12...	144	110	156		168	120	180	118	192	113	204		216	120	228		240	115
"13...	156		169		182		195		208		221		234		247		260	119
"14...	168	120	182		196		210		224		238		252		266		280	119
"15...	180	118	195		210		225		240	115	255		270		285		300	117
"16...	192	113	208		224		240	115	256		272		288	121	304		320	119
"17...	204		221		238		255		272		289		306		323		340	119
"18...	216	120	234		252		270		288	121	306		324		342		360	121
"19...	228		247		266		285		304		323		342		361		380	120
"20...	240	115	260	119	280	119	300	117	320	119	340	119	360	121	380	120	400	120
"21...	252		273		294		315		336	121	357		378		399		420	
"22...	264	121	286		308		330		352		374		396		418		440	
"23...	276		299		322		345		368		391		414		437		460	
"24...	288	121	312	121	336	121	360	121	384	121	408	122	432	122	456	122	480	122

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{6}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{6}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{4}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$. See explanation pages 2, 3, 125.

Sizes.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
7x 7 ...	24½	86	32⅔	99	40⅝		49	210	57⅙		65⅓	100	73½	123	81⅔	102	89⅝	
" 8 ...	28	93	37⅓	99	46⅔	84	56	98	65⅓	100	74⅔	111	84	108	93⅓	113	102⅔	
" 9 ...	31½	86	42	99	52½	123	63	123	73½	123	84	108	94½	123	105	123	115½	123
" 10 ...	35	86	46⅔	84	58⅓	101	70	101	81⅔	102	93⅓	113	105	123	116⅔	115	128⅓	123
" 11 ...	38½		51⅓	100	64⅙	101	77	216	89⅝		102⅔		115½	123	128⅓	123	141⅙	
" 12 ...	42	99	56	98	70	101	84	108	98	220	112	110	126	123	140	118	154	
" 13 ...	45½		60⅔	100	75⅝	102	91	220	106⅙		121⅓		136½		151⅔		166⅝	
" 14 ...	49	210	65⅓	100	81⅔	102	98	220	114⅓		130⅔		147		163⅓		179⅔	
" 15 ...	52½	123	70	101	87½	102	105	123	122½	123	140	118	157½		175		192½	
" 16 ...	56	98	74⅔	111	93⅓	113	112	110	130⅔		149⅓	112	168	120	186⅔	114	205⅓	
" 17 ...	59½		79⅓		99⅙	123	119		138⅝		158⅔		178½		198⅓		218⅙	
" 18 ...	63	123	84	108	105	123	126	123	147		168	120	189		210		231	
" 19 ...	66½		88⅔		110⅝	123	133		155⅙		177⅓		199½		221⅔		243⅝	
" 20 ...	70	101	93⅓	113	116⅔	115	140	118	163⅓		186⅔	114	210		233⅓	117	256⅔	
" 21 ...	73½	123	98	220	122½	123	147		171½		196		220½		245		269½	
" 22 ...	77	216	102⅔		128⅓	123	154		179⅔		205⅓		231		256⅔		282⅓	
" 23 ...	80½		107⅓		134⅙	123	161		187⅝		214⅔		241½		268⅓		295⅙	
" 24 ...	84	108	112	110	140	118	168	120	196		224		252		280	119	308	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅛, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
7x 7...	98	220	106⅛		114⅓		122½	123	130⅜		138⅝		147		155⅛		163⅓	
" 8...	112	110	121⅓		130⅔		140	118	149⅓	112	158⅔		168	120	177⅓		186⅔	114
" 9...	126	123	136½		147		157½		168	120	178½		189		199½		210	
"10...	140	118	151⅔		163⅓		175		186⅔	114	198⅓		210		221⅔		233⅓	117
"11...	154		166⅝		179⅔		192½		205⅓		218⅛		231		243⅝		256⅔	
"12...	168	120	182		196		210		224		238		252		266		280	119
"13...	182		197⅛		212⅓		227½		242⅔		257⅝		273		288⅛		303⅓	
"14...	196		212⅓		228⅔		245		261⅓		277⅔		294		310⅓		326⅔	
"15...	210		227½		245		262½		280	119	297½		315		332½		350	
"16...	224		242⅔		261⅓		280	119	298⅔		317⅓		336	121	354⅔		373⅓	
"17...	238		257⅝		277⅔		297½		317⅓		337⅛		357		376⅝		396⅔	
"18...	252		273		294		315		336	121	357		378		399		420	
"19...	266		288⅛		310⅓		332½		354⅔		376⅝		399		421⅛		443⅓	
"20...	280	119	403⅓		326⅔		350		373⅓		396⅔		420		443⅓		466⅔	
"21...	294		318½		343		367½		392		416½		441		465½		490	
"22...	308		333⅓		359⅓		385		410⅔		436⅓		462		487⅔		513⅓	
"23...	322		348⅝		375⅔		402½		429⅓		456⅛		483		509⅞		536⅔	
"24...	336	121	364		392		420		448		476		504		532		560	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅛, drop the fraction and annex 1⅔; for ⅝, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
8x 8 ...	32	69	42⅔		53⅓		64	109	74⅔	111	85⅓	111	96	110	106⅔	112	117⅓	112
" 9 ...	36	95	48	97	60	98	72	107	84	108	96	110	108		120	110	132	
" 10 ...	40	83	53⅓		66⅔		80	109	93⅓	113	106⅔	112	120	110	133⅓	116	146⅔	114
" 11 ...	44	96	58⅔		73⅓		88	109	102⅔		117⅓	112	132		146⅔	114	161⅓	
" 12 ...	48	97	64	109	80	109	96	110	112	110	128	123	144	110	160	111	176	
" 13 ...	52	97	69⅓		86⅔		104	110	121⅓		138⅔	112	156		173⅓	114	190⅔	
" 14 ...	56	98	74⅔	111	93⅓	113	112	110	130⅔		149⅓	112	168	120	186⅔	114	205⅓	
" 15 ...	60	98	80	109	100	115	120	110	140	118	160	111	180	118	200	116	220	118
" 16 ...	64	109	85⅓	111	106⅔	112	128	110	149⅓	112	170⅔		192	113	213⅓	113	234⅔	
" 17 ...	68	214	90⅔		113⅓		136	110	158⅔		181⅓	113	204		226⅔	115	249⅓	
" 18 ...	72	107	96	110	120	110	144	110	168	120	192	113	216	120	240	115	264	121
" 19 ...	76	216	101⅓		126⅔		152	111	177⅓		202⅔	113	228		253		278⅔	
" 20 ...	80	109	106⅔	112	133⅓	116	160	111	186⅔	114	213⅓	113	240	115	266⅔	115	293⅓	
" 21 ...	84	108	112	110	140	118	168	120	196		224		252		280	119	308	
" 22 ...	88	109	117⅓	112	146⅔	114	176		205⅓		234⅔		264	121	293⅓		322⅔	
" 23 ...	92	220	122⅔		153⅓		184		214⅔		245⅓		276		306⅔		337⅓	
" 24 ...	96	110	128	110	160	111	192	113	224		256		288	121	320	119	352	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅛, drop the fraction and annex 1⅔; for ⅝, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
8x 8...	128	110	138⅔		149⅓	112	160	111	170⅔	112	181⅓	113	192	113	202⅔	113	213⅓	113
" 9...	144	110	156		168	120	180	118	192	113	204		216	120	228		240	115
"10..	160	111	173⅓	114	186⅔	114	200	116	213⅓	113	226⅔	115	240	115	253⅓	115	266⅔	115
"11...	176		190⅔		205⅓		220	118	234⅔		249⅓		264	122	278⅔		293⅓	
"12...	192	113	208		224		240	115	256		272		288	121	304		320	119
"13...	208		225⅓		242⅔		260	119	277⅓		294⅔		312	121	329⅓		346⅔	
"14...	224		242⅔		261⅓		280	119	298⅔		317⅓		336	121	354⅔		373⅓	
"15...	240	115	260	119	280	119	300	117	320	119	340	119	360	121	380	120	400	120
"16...	256		277⅓		298⅔		320	119	341⅓		362⅔		384	121	405⅓		426⅔	
"17...	272		294⅔		317⅔		340		362⅔		385⅓		408	122	430⅔		453⅓	
"18...	288	121	312	121	336	121	360	121	384	121	408	122	432	122	456		480	122
"19...	304		329⅓		354⅔		380	120	405⅓		430⅔		456	122	481⅓		506⅔	
"20...	320	119	346⅔		373⅓		400	120	426⅔		453⅓		480	122	506⅔		533⅓	
"21...	336	121	364		392		420		448		476		504		532		560	
"23...	352		381⅓		410⅔		440		469⅓		498⅔		528		557⅓		586⅔	
"22...	368		398⅔		429⅓		460		490⅔		521⅓		552		582⅔		613⅓	
"24...	384	121	416		448		480	122	512		544		576		608		640	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{6}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{6}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{4}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$. See explanation pages 2, 3, 125.

	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
SIZE.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
9x 9 ...	40½		54	106	67½		81	218	94½	123	108		121½		135		148½	
" 10 ...	45	103	60	98	75	105	90	108	105	123	120	110	135		150	116	165	
" 11 ...	49½		66	107	82½		99	220	115½	123	132		148½		165		181½	
" 12 ...	54	106	72	107	90	108	108		126	123	144	110	162		180	118	198	
" 13 ...	58½		78	107	97½		117		136½		156		175½		195		214½	
" 14 ...	63	123	84	108	105	123	126	123	147		168	120	189		210		231	
" 15 ...	67½		90	108	112½		135		157½		180	118	202½		225		247½	
" 16 ...	72	107	96	110	120	110	144	110	168	120	192	113	216	120	240	115	264	121
" 17 ...	76½		102		127½		153		178½		204		229½		255		280½	
" 18 ...	81	218	108		135		162		189		216	120	243		270		297	
" 19 ...	85½		114		142½		171		199½		228		256½		285		313½	
" 20 ...	90	108	120	110	150	116	180	118	210		240	115	270		300	117	330	
" 21 ...	94½		126	123	157½		189		220½		252		283½		315		346½	
" 22 ...	99	220	132		165		198		231		264	121	297		330		363	
" 23 ...	103½		138		172½		207		241½		276		310½		345		379½	
" 24 ...	108		144	110	180	118	216	120	252		288	121	324		360	121	396	

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{6}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{6}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{4}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$.

See explanations pages 2, 3, and 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
9x 9 ...	162		175½		189		202½		216	120	229½		243		256½		270	
" 10 ...	180	118	195		210		225		240	115	255		270		285		300	117
" 11 ...	198		214½		231		247½		264	121	280½		297		313½		330	
" 12 ...	216	120	234		252		270		288	121	306		324		342		360	121
" 13 ...	234		253½	115	273		292½		312	121	331½		351		370½		390	
" 14 ...	252		273		294		315		336	121	357		378		399		420	
" 15 ...	270		292½		315		337½		360	121	382½		405		427½		450	
" 16 ...	288	121	312	121	336	121	360	121	384	121	408		432	122	456	122	480	122
" 17 ...	306		331½		357		382½		408	122	433½		459		484½		510	
" 18 ...	324		351		378		405		432	122	459		486		513		540	
" 19 ...	342		370½		399		427½		456	122	484½		513		541½		570	
" 20 ...	360	121	390		420		450		480	122	510		540		570		600	
" 21 ...	378		409½		441		472½		504		535½		567		598½		630	
" 22 ...	396		429		462		495		528		561		594		627		660	
" 23 ...	414		448½		483		517½		552		586½		621		655½		690	
" 24 ...	432	122	468		504		540		576		612		648		684		720	

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{6}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{6}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{4}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$.

See explanation pages 2, 3, and 125.

	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
10x10..	50	84	$66\frac{2}{3}$		$83\frac{1}{3}$		100	115	$116\frac{2}{3}$	115	$133\frac{1}{3}$	116	150	116	$166\frac{2}{3}$		$183\frac{1}{3}$	116
" 11..	55	104	$73\frac{1}{3}$		$91\frac{2}{3}$		110		$128\frac{1}{3}$	123	$146\frac{2}{3}$	114	165		$183\frac{1}{3}$	116	$201\frac{2}{3}$	
" 12..	60	98	80	109	100	115	120	110	140	118	160	111	180	118	200	116	220	118
" 13..	65	104	$86\frac{2}{3}$		$108\frac{1}{3}$		130		$151\frac{2}{3}$		$173\frac{1}{3}$	114	195		$216\frac{2}{3}$	116	$238\frac{1}{3}$	
" 14..	70	101	$93\frac{1}{3}$	113	$116\frac{2}{3}$	115	140	118	$163\frac{1}{3}$		$186\frac{2}{3}$	114	210		$233\frac{1}{3}$	117	$256\frac{2}{3}$	
" 15..	75	105	100	115	125		150	116	175		200	116	225		250	117	275	
" 16..	80	109	$106\frac{2}{3}$	112	$133\frac{1}{3}$	116	160	111	$186\frac{2}{3}$	114	$213\frac{1}{3}$	113	240	115	$266\frac{2}{3}$	115	$293\frac{1}{3}$	
" 17..	85	218	$113\frac{1}{3}$		$141\frac{2}{3}$		170		$198\frac{1}{3}$		$226\frac{2}{3}$	115	255		$283\frac{1}{3}$	117	$311\frac{2}{3}$	
" 18..	90	108	120	110	150	116	180	118	210		240	115	270		300	117	330	
" 19..	95	220	$126\frac{2}{3}$		$158\frac{1}{3}$		190		$221\frac{2}{3}$		$253\frac{1}{3}$	115	285		$316\frac{2}{3}$	117	$348\frac{1}{3}$	
" 20..	100	115	$133\frac{1}{3}$	116	$166\frac{2}{3}$	116	200	116	$233\frac{1}{3}$	117	$266\frac{2}{3}$	115	300	117	$333\frac{1}{3}$	117	$366\frac{2}{3}$	
" 21..	105	123	140	118	175		210		245		280	119	315		350		385	
" 22..	110		$146\frac{2}{3}$	114	$183\frac{1}{3}$	116	220	118	$256\frac{2}{3}$		$293\frac{1}{3}$		330		$366\frac{2}{3}$		$403\frac{1}{3}$	
" 23..	115		$153\frac{1}{3}$		$191\frac{2}{3}$		230		$268\frac{1}{3}$		$306\frac{2}{3}$		345		$383\frac{1}{3}$		$421\frac{2}{3}$	
". 24	120	110	160	111	200	116	240	115	280	119	320	119	360	121	400	120	440	

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction $\frac{1}{8}$, drop the fraction and annex $1\frac{2}{3}$; for $\frac{5}{8}$, annex $8\frac{1}{3}$, dropping fraction as before; for $\frac{1}{2}$, annex 5; for $\frac{1}{3}$, annex $3\frac{1}{3}$; for $\frac{2}{3}$, annex $6\frac{2}{3}$; for $\frac{1}{4}$, annex $2\frac{1}{2}$; for $\frac{3}{4}$, annex $7\frac{1}{2}$.

See explanations 2, 3, and 125.

	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
10x10..	200	116	216⅔	116	233⅓	117	250	117	266⅔	115	283⅓	117	300	117	316⅔	117	333⅓	117
" 11..	220	118	238⅔		256⅔		275		293⅓		311⅔		330		348⅓		366⅔	
" 12..	240	115	260	119	280	119	300	117	320	117	340	119	360	121	380	120	400	120
" 13..	260	119	281⅔		303⅓		325		346⅔		368⅓		390		411⅔		433⅓	
" 14..	280	119	303⅓		326⅔		350		373⅓		396⅔		420		443⅓		466⅔	
" 15.	300	117	325		350		375		400	120	425		450		475		500	
" 16..	320	119	346⅔		373⅓		400	120	426⅔		453⅓		480	122	506⅔		533⅓	
" 17..	340	119	368⅓		396⅔		425		453⅓		481⅔		510		538⅓		566⅔	
" 18..	360	121	390		420		450		480	122	510		540		570		600	
" 19..	380	120	411⅔		443⅓		475		506⅔		538⅓		570		601⅔		633⅓	
" 20..	400	120	433⅓		466⅔		500		533⅓		566⅔		600		633⅓		666⅔	
" 21..	420		455		490		525		560		595		630		665		700	
" 22..	440		476⅔		513⅓		550		586⅔		623⅓		660		696⅔		733⅓	
" 23..	460		498⅓		536⅔		575		613⅓		651⅔		690		728⅓		766⅔	
" 24..	480	122	520		560		600		640		680		720		760		800	

To find number of feet in greater number of pieces than shown in table:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅛, drop the fraction and annex 1⅔; for ⅝, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See explanaitons pages 2, 3, and 125.

	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
SIZE.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
11x11..	60½		80⅔		100⅚		121		141⅙		161⅓		181½		201⅔		221⅚	
" 12.	66	107	88	109	110		132		154		176		198		220	118	242	
" 13..	71½		95⅓		119⅙		143		166⅚		190⅔		214½		238⅓		262⅙	
" 14..	77	216	102⅔		128⅓	123	154		179⅔		205⅓		231		256⅔		282⅓	
" 15..	82½		110		137½		165		192½		220	118	247½		275		302½	
" 16..	88	109	117⅓	112	146⅔	114	176		205⅓		234⅔		264	121	293⅓		322⅔	
" 17..	93½		124⅔		155⅚		187		218⅙		249⅓		280½		311⅔		342⅚	
" 18..	99	220	132		165		198		231		264	121	297		330		363	
" 19..	104½		139⅓		174⅙		209		243⅚		278⅔		313½		348⅓		383⅙	
" 20..	110		146⅔	114	183⅓	116	220	118	256⅔		293⅓		330		366⅔		403⅓	
" 21..	115½	123	154		192½		231		269½		308		346½		385		423½	
" 22..	121		161⅓		201⅔		242		282⅓		322⅔		363		403⅓		443⅔	
" 23..	126½		168⅔		210⅚		253		295⅙		337⅓		379½		421⅔		463⅚	
" 24..	132		176		220	118	264	121	308		352		396		440		484	
12x12..	72	107	96	110	120	110	144	110	168	120	192	113	216	120	240	115	264	121
" 13..	78	107	104	110	130		156		182		208		234		260	119	286	
" 14..	84	108	112	110	140	118	168	120	196		224		252		280	119	308	
" 15..	90	108	120	110	150	116	180	118	210		240	115	270		300	117	330	
" 16..	96	110	128	110	160	111	192	113	224		256		288	121	320	119	352	
" 17..	102		136	110	170		204		238		272		306		340	119	374	
" 18..	108		144	110	180	118	216	120	252		288	121	324		360	121	396	
" 19..	114		152	111	190		228		266		304		342		380	120	418	
" 20..	120	110	160	111	200	116	240	115	280	119	320	119	360	121	400	120	440	
" 21..	126	123	168	120	210		252		294		336	121	378		420		462	
" 22..	132		176		220	118	264	121	308		352		396		440		484	
" 23..	138		184		230		276		322		368		414		460		506	
" 24..	144	110	192	113	240	115	288	121	336	121	384	121	432	122	480	122	528	

See explanations pages 2, 3 and 125.

	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
SIZE.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
11x11..	242		262⅛		282⅓		302½		322⅞		342⅞		363		383⅛		403⅓	
" 12..	264	121	286		308		330		352		374		396		418		440	
" 13..	286		309⅝		383⅜		357½		381⅓		405⅛		429		452⅝		476⅜	
" 14..	308		333⅜	117	359⅓		385		410⅜		436⅓		462		487⅜		513⅓	
" 15..	330		357½		385		412½		440		467½		495		522½		550	
" 16..	352		381⅜		410⅜		440		469⅓		498⅜		528		557⅓		586⅜	
" 17..	374		405⅛		436⅓		467½		498⅜		529⅝		561		592⅙		623⅓	
" 18..	396		429		462		495		528		561		594		627		660	
" 19..	418		452⅝		487⅜		522½		557⅓		592⅙		627		661⅝		696⅜	
" 20..	440		476⅜		513⅓		550		586⅜		623⅓		660		696⅜		733⅓	
" 21..	462		500½		539		577½		616		654½		693		731½		770	
" 22..	484		524⅛		564⅜		605		645⅓		685⅜		726		766⅛		806⅜	
" 23..	506		548⅛		590⅓		632½		674⅜		716⅝		759		801⅛		843⅓	
" 24..	528		572		616		660		704		748		792		836		880	
12x12..	288	121	312	121	336	121	360	121	384	121	408	122	432	122	456	122	480	122
" 13..	312	121	338		364		390		416		442		468		494		520	
" 14..	336	121	364		392		420		448		476		504		532		560	
" 15..	360	121	390		420		450		480	122	510		540		570		600	
" 16..	384	121	416		448		480	122	512		544		576		608		640	
" 17..	408	122	442		476		510		544		578		612		646		680	
" 18..	432	122	468		504		540		576		612		648		684		720	
" 19..	456	122	494		532		570		608		646		684		722		760	
" 20..	480	122	520		560		600		640		680		720		760		800	
" 21..	504		546		588		630		672		714		756		798		840	
" 22..	528		572		616		660		704		748		792		836		880	
" 23..	552		598		644		690		736		782		828		874		920	
" 24..	576		624		672		720		768		816		864		912		960	

See explanations pages 2, 3 and 125.

Size	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
13x13..	84½		112⅔		140⅝		169		197⅛		225½		253½		281⅔		309⅝	
" 14..	91	220	121⅓		151⅔		182		212⅔		242⅔		273		303⅓		333⅔	
" 15..	97½		130		162½		195		227½		260	119	292½		325		357½	
" 16..	104		138⅔		173⅓	114	208		242⅔		277⅓		312		346⅔		381⅓	
" 17..	110½		147⅓		184⅛		221		257⅝		294⅔		331½		368⅓		405⅛	
" 18..	117		156		195		234		273		312	121	351		390		429	
" 19..	123½		164⅔		205⅝		247		288⅛		329⅓		370½		411⅔		452⅝	
" 20..	130		173⅓	114	216⅔	116	260	119	303⅓		346⅔		390		433⅓		476⅔	
" 21..	136½		182		227½		273		318½		364		409½		455		500½	
" 22..	143		190⅔		238⅓		286		333⅔		381⅓		429		476⅔		524⅓	
" 23..	149½		199⅓		249⅛		299		348⅝		398⅔		448½		498⅓		548⅛	
" 24..	156		208		260	119	312	121	364		416		468		520		572	
14x14..	98	220	130⅔		163⅓		196		228⅔		261⅓		294		326⅔		359⅓	
" 15..	105	123	140	118	175		210		245		280	119	315		350		385	
" 16..	112	110	149⅓		186⅔	114	224		261⅓		298⅔		336	121	373⅓		410⅔	
" 17..	119		158⅔		198⅓		238		277⅔		317⅓		357		396⅔		436⅓	
" 18..	126	123	168	120	210		252		294		336	121	378		420		462	
" 19..	133		177⅓		221⅔		266		310⅓		354⅔		399		443⅓		487⅔	
" 20..	140	118	186⅔		233⅓	117	280	119	326⅔		373⅓		420		466⅔		513⅓	
" 21..	147		196		245		294		343		392		441		490		539	
" 22..	154		205⅓		256⅔		308		359⅓		410⅔		462		513⅓		564⅔	
" 23..	161		214⅔		268⅓		322		375⅔		429⅓		483		536⅔		590⅓	
" 24..	168	120	224		280	119	336	121	392		448		504		560		616	

See explanations pages 2, 3 and 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
13x13..	338		366 1/6		394 1/3		422 1/2		450 2/3		478 5/6		507		535 1/6		563 1/3	
" 14..	364		394 1/3		424 2/3		455		485 1/3		515 2/3		546		576 1/3		606 2/3	
" 15..	390		422 1/2		455		487 1/2		520		552 1/2		585		617 1/2		650	
" 16..	416		450 2/3		485 1/3		520		554 2/3		589 1/3		624		658 2/3		693 1/3	
" 17..	442		478 5/6		515 2/3		552 1/2		589 1/3		626 1/6		663		699 5/6		736 2/3	
" 18..	468		507		546		585		624		663		702		741		780	
" 19..	494		535 1/6		576 1/3		617 1/2		658 2/3		699 5/6		741		782 1/6		823 1/3	
" 20..	520		563 1/3		606 2/3		650		693 1/3		736 2/3		780		823 1/3		866 2/3	
" 21..	546		591 1/2		637		682 1/2		728		773 1/2		819		864 1/2		910	
" 22..	572		619 2/3		667 1/3		715		762 2/3		810 1/3		858		905 2/3		953 1/3	
" 23..	598		647 5/6		697 2/3		747 1/2		797 1/3		847 1/6		897		946 5/6		996 2/3	
" 24..	624		676		728		780		832		884		936		988		1040	
14x14..	392		424 2/3		457 1/3		490		522 2/3		555 1/3		588		620 2/3		653 1/3	
" 15..	420		455		490		525		560		595		630		665		700	
" 16..	448		485 1/3		522 2/3		560		597 1/3		634 2/3		672		709 1/3		746 2/3	
" 17..	476		515 2/3		555 1/3		595		634 2/3		674 1/3		714		753 2/3		793 1/3	
" 18..	504		546		588		630		672		714		756		798		840	
" 19..	532		576 1/3		620 2/3		665		709 1/3		753 2/3		798		842 1/3		886 2/3	
" 20..	560		606 2/3		653 1/3		700		746 2/3		793 1/3		840		886 2/3		933 1/3	
" 21..	588		637		686		735		784		833		882		931		980	
" 22..	616		667 1/3		718 2/3		770		821 1/3		872 2/3		924		975 1/3		1026 2/3	
" 23..	644		697 2/3		751 1/3		805		858 2/3		912 1/3		966		1019 2/3		1073 1/3	
" 24..	672		728		784		840		896		952		1008		1064		1120	

See explanations pages 2, 3 and 125.

	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
SIZE.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
15x15..	112½		150	116	187½		225		262½		300	117	337½		375		412½	
" 16..	120	110	160	111	200	116	240	115	280	119	320	119	360	121	400	120	440	
" 17..	127½		170		212½		255		297½		340	119	382½		425		467½	
" 18..	135		180	118	225		270		315		360	121	405		450		495	
" 19..	142½		190		237½		285		332½		380	120	427½		475		522½	
" 20..	150	116	200	116	250	117	300	117	350		400	120	450		500		550	
" 21..	157½		210		262½		315		367½		420		472½		525		577½	
" 22..	165		220	118	275		330		385		440		495		550		605	
" 23..	172½		230		287½		345		402½		460		517½		575		632½	
" 24..	180	118	240	115	300	117	360	121	420		480	122	540		600		660	
16x16..	128	110	170⅔	112	213⅓		256		298⅔		341⅓		384	121	426⅔		469⅓	
" 17..	136	110	181⅓	113	226⅔		272		317⅓		362⅔		408	122	453⅓		498⅔	
" 18..	144	110	192	113	240	115	288	121	336	121	384	121	432	122	480	122	528	
" 19..	152	111	202⅔	113	253⅓		304		354⅔		405⅓		456	122	506⅔		557⅓	
" 20..	160	111	213⅓	113	266⅔		320	119	373⅓		426⅔		480	122	533⅓		586⅔	
" 21..	168	120	224		280	119	336	121	392		448		504		560		616	
" 22..	176		234⅔		293⅓		352		410⅔		469⅓		528		586⅔		645⅓	
" 23..	184		245⅓		306⅔		368		429⅓		490⅔		552		613⅓		674⅔	
" 24..	192	113	256		320	119	384	121	448		512		576		640		704	
17x17..	144½		192⅔		240⅝		289		337⅙		385⅓		433½		481⅔		529⅝	
" 18..	153		204		255		306		357		408		459		510		561	
" 19..	161½		215⅓		269⅙		323		376⅝		430⅔		484½		538⅓		592⅙	
" 20..	170		226⅔		283⅓	117	340	119	396⅔		453⅓		510		566⅔		623⅓	
" 21..	178½		238		297½		357		416½		476		535½		595		654½	
" 22..	187		249⅓		311⅔		374		436⅓		498⅔		561		623⅓		685⅔	
" 23..	195½		260⅔		325⅝		391		456⅛		521⅓		586½		651⅔		716⅝	
" 24..	204		272		340	119	408	122	476		544		612		680		748	

See explanations pages 2, 3 and 125.
NOTE—See pages 160 to 200 for other sizes and lengths. Tables are given for nearly 9,000 sizes and lengths.

	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
15x15..	450		487½		525		562½		600		637½		675		712½		750	
" 16..	480	122	520		560		600		640		680		720		760		800	
" 17..	510		552½		595		637½		680		722½		765		807½		850	
" 18..	540		585		630		675		720		765		810		855		900	
" 19..	570		617½		665		712½		760		807½		855		902½		950	
" 20..	600		650		700		750		800		850		900		950		1000	
" 21..	630		682½		735		787½		840		892½		945		997½		1050	
" 22..	660		715		770		825		880		935		990		1045		1100	
" 23..	690		747½		805		862½		920		977½		1035		1092½		1150	
" 24..	720		780		840		900		960		1020		1080		1140		1200	
16x16..	512		554⅔		597⅓		640		682⅔		725⅓		768		810⅔		853⅓	
" 17..	544		589⅓		634⅔		680		725⅓		770⅔		816		861⅓		906⅔	
" 18..	576		624		672		720		768		815		864		912		960	
" 19..	608		658⅔		709⅓		760		810⅔		861⅓		912		962⅔		1013⅓	
" 20..	640		693⅓		746⅔		800		853⅓		906⅔		960		1013⅓		1066⅔	
" 21..	672		728		784		840		896		952		1008		1064		1120	
" 22..	704		762⅔		821⅓		880		938⅔		997⅓		1056		1114⅔		1173⅓	
" 23..	736		797⅓		858⅔		920		981⅓		1042⅔		1104		1165⅓		1226⅔	
" 24..	768		832		896		960		1024		1088		1152		1216		1280	
17x17..	578		626¼		674⅓		722½		770⅔		818⅝		867		915⅙		963⅓	
" 18..	612		663		714		765		816		867		918		969		1020	
" 19..	646		699⅝		753⅜		807½		861⅓		915⅙		969		1022⅝		1076⅜	
" 20..	680		736⅔		793⅓		850		906⅔		963⅓		1020		1076⅔		1133⅓	
" 21..	714		773½		833		892½		952		1011½		1071		1130½		1190	
" 22..	748		810⅓		872⅔		935		997⅓		1059⅔		1122		1184⅓		1246⅔	
" 23..	782		847⅛		912⅓		977½		1042⅜		1107⅝		1173		1238⅛		1303⅓	
" 24..	816		884		952		1020		1088		1156		1224		1292		1360	

See explanations pages 2, 3 and 125. Note—See pages 160 to 190 in larger book, eighth edition, for other sizes and lengths.

	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
SIZE.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
18x18..	162		216	120	270		324		378		432		486		540		594	
" 19..	171		228		285		342		399		456	122	513		570		627	
" 20..	180	118	240	115	300	117	360	121	420		480	122	540		600		660	
" 21..	189		252		315		378		441		504		567		630		693	
" 22..	198		264	121	330		396		462		528		594		660		726	
" 23..	207		276		345		414		483		552		621		690		759	
" 24..	216	120	288	121	360	121	432	122	504		576		648		720		792	
19x19..	180½		240⅜		300⅝		361		421⅛		481⅓		541½		601⅔		661⅞	
" 20..	190		253⅓	115	316⅜	117	380	120	443⅓		506⅔		570		633⅓		696⅜	
" 21..	199½		266		332½		399		465½		532		598½		665		731½	
" 22..	209		278⅔		348⅓		418		487⅔		557⅓		627		696⅔		766⅓	
" 23..	218½		291⅓		364⅛		437		509⅝		582⅔		655½		784⅓		801⅛	
" 24..	228		304		380	120	456	122	532		608		684		760		836	
20x20..	200	116	266⅔		333⅓		400	120	466⅔		533⅓		600		666⅔		733⅓	
" 21..	210		280	119	350		420		490		560		630		700		770	
" 22..	220	118	293⅓		366⅔		440		513⅓		586⅔		660		733⅓		806⅔	
" 23..	230		306⅔		383⅓		460		536⅔		613⅓		690		766⅔		843⅓	
" 24..	240	115	320	119	400	120	480	122	560		640		720		800		880	
21x21..	220½		294		367½		441		514½		588		661½		735		808½	
" 22..	231		308		385		462		539		616		693		770		847	
" 23..	241½		322		402½		483		563½		644		724½		805		885½	
" 24..	252		336	121	420		504		588		672		756		840		924	
22x22..	242		322⅔		403⅓		484		564⅔		645⅓		726		806⅔		887⅓	
" 23..	253		337⅓		421⅔		506		590⅓		674⅔		759		843⅓		927⅔	
" 24..	264	121	352		440		528		616		704		792		880		968	
23x23..	264½		352⅔		410⅝		529		617⅙		705⅓		793½		881⅔		969⅝	
" 24..	276		368		460		552		644		736		828		920		1012	
24x24..	288	121	384	121	480	122	576		672		768		864		960		1056	

See explanation pages 2, 3 and 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
18x18..	648		702		756		810		864		918		972		1026		1080	
" 19..	684		741		798		855		912		969		1026		1083		1140	
" 20..	720		780		840		900		960		1020		1080		1140		1200	
" 21..	756		819		882		945		1008		1071		1134		1197		1260	
" 22..	792		858		924		990		1056		1122		1188		1254		1320	
" 23..	828		897		966		1035		1104		1173		1242		1311		1380	
" 24..	864		936		1008		1080		1152		1224		1296		1368		1440	
19x19..	722		782 1/6		842 1/3		902 1/2		962 2/3		1022 5/6		1083		1143 1/6		1203 1/3	
" 20..	760		823 1/3		886 2/3		950		1013 1/3		1076 2/3		1140		1203 1/3		1266 2/3	
" 21..	798		864 1/2		931		997 1/2		1064		1130 1/2		1197		1263 1/2		1330	
" 22..	836		905 2/3		975 1/3		1045		1114 2/3		1184 1/3		1254		1323 2/3		1393 1/3	
" 23..	874		946 5/6		1019 2/3		1092 1/2		1165 1/3		1238 1/6		1311		1383 5/6		1456 2/3	
" 24..	912		988		1064		1140		1216		1292		1368		1444		1520	
20x20..	800		866 2/3		933 1/3		1000		1066 2/3		1133 1/3		1200		1266 2/3		1333 1/3	
" 21..	840		910		980		1050		1120		1190		1260		1330		1400	
" 22..	880		953 1/3		1026 2/3		1100		1173 1/3		1246 2/3		1320		1393 1/3		1466 2/3	
" 23..	920		996 2/3		1073 1/3		1150		1226 2/3		1303 1/3		1380		1456 2/3		1533 1/3	
" 24..	960		1040		1120		1200		1280		1360		1440		1520		1600	
21x21..	882		955 1/2		1029		1102 1/2		1176		1249 1/2		1323		1396 1/2		1470	
" 22..	924		1001		1078		1155		1232		1309		1386		1463		1540	
" 23..	966		1046 1/2		1127		1207 1/2		1288		1368 1/2		1449		1529 1/2		1610	
" 24..	1008		1092		1176		1260		1344		1428		1512		1596		1680	
22x22..	968		1048 2/3		1129 1/3		1210		1290 2/3		1371 1/3		1452		1532 2/3		1613 1/3	
" 23..	1012		1096 1/3		1180 2/3		1265		1349 1/3		1433 2/3		1518		1602 1/3		1686 2/3	
" 24..	1056		1144		1232		1320		1408		1496		1584		1672		1760	
23x23..	1058		1146 1/6		1234 1/3		1322 1/2		1410 2/3		1498 5/6		1587		1675 1/6		1763 1/3	
" 24..	1104		1196		1288		1380		1472		1564		1656		1748		1840	
24x24..	1152		1248		1344		1440		1536		1632		1728		1824		1920	

See explanations pages 2, 3 and 125.

	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
25x25..	312½		416⅔		520⅝		625		729⅙		833⅓		937½		1041⅔		1145⅝	
26x26..	338		450⅔		563⅓		676		783⅔		901⅓		1014		1126⅔		1239½	
27x27..	364½		486		607½		729		850½		972		1093		1215		1336½	
28x28..	392		522⅔		653⅓		784		914⅔		1045⅓		1176		1306⅔		1437⅓	
29x29..	420½		560⅔		700⅝		841		981⅙		1121⅓		1261½		1401⅔		1541⅝	
30x30..	450		600		750		900		1050		1200		1350		1500		1650	

	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
25x25..	1250		1354⅙		1458⅓		1562½		1666⅔		1770⅝		1875		1979⅙		2083⅓	
26x26..	1352		1464⅔		1577⅓		1690		1802⅔		1915½		2028		2140⅔		2253⅓	
27x27..	1455		1579½		1701		1822½		1944		2065½		2187		2308½		2430	
28x28..	1568		1698⅔		1829⅓		1960		2090⅔		2221⅓		2352		2482⅔		2613⅓	
29x29..	1682		1822⅙		1962⅓		2102½		2242⅔		2382⅝		2523		2663⅙		2803	
30x30..	1800		1950		2100		2250		2400		2550		2700		2850		3000	

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅛, drop the fraction and annex 1⅔; for ⅝, annex 8⅓, dropping the fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅜, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See pages 2, 3 and 125 for further explanations.

EXPLANATION FOR ALL SIZES, AND UP TO 50 FEET IN LENGTH.

From Page 160 to 200 you will find one of the most valuable features of the work, sizes from 1x1=6 feet up to 8x12=50 feet. Over 8,000 sizes and lengths are given and nearly 900 sizes of the 16 feet alone. For each size the number of Feet is given, and the Page Number, in Buyer and Seller, on which is given Table containing same number of feet, from which you can get exact amount of Feet in any number of pieces you wish to find answer for. To find for any Size and Length wanted turn to Page Length wanted is given on, in the first column of figures on left will be found the Size, in next column the number of Feet in one piece, next column Page number is given for table containing same number of feet from which you can obtain the correct number of Feet in any number of Pieces you may wish to find answer for.

EXAMPLE: Suppose you want to find the number of feet in 87 pieces 2x8½=16, turn to Page 186; run down column for 2 inches to 2x8½, and we find 22⅔ feet in one piece and Page 71 for Table of 22⅔ feet, turn to Page 71, in Buyer and Seller, and Table for 22⅔ feet and we find 87 pieces give 1972 feet, the exact number of feet in 87 pieces, 2x8½=16 feet.

AGAIN: Suppose you wish to find the number of Feet in 28 Pieces 8x12½=16 feet, turn to Page 187, Column for 8 inches. For 8x12½,and we find one piece contains 133⅓ feet, and Page 116 for Table of 133⅓ feet turn to Page 116, and Table for 133⅓ feet, and we find 3733⅓ feet the correct number of Feet for 28 pieces, 8x12½=16 feet.

NOTE: 2½x8=16 has same number of feet as 1x17=16. 8x12½=16 contains same number of feet as 10x10=16, etc., over 8000 sizes are here given, nearly 900 of the 16 foot alone.

See the Odd Lengths in These Tables.

EXAMPLE: Suppose you want to find the number of feet in 63 pieces 2x4=11 feet, turn to page 180, you find that one piece 2x4=11 feet contains 7⅓ feet and page 46 for table of 7⅓ feet; turn to page 46, table for 7⅓ feet, and we find 63 pieces contains 462 feet, the correct answer. See page 98 for further explanations of odd lengths.

25 to 30 in.

1 & 2 ft.

1 Foot in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
1 x 6	½	5	4 x 7	2⅓	8	6 x22	11	46	8 x30	20	53
1 x 8	⅔	5	4 x 7½	2½	9	6 x23	11½	89	8 x32	21⅓	65
1 x10	⅚	5	4 x 8	2⅔	8	6 x24	12	36	9 x10	7½	22
1 x12	1	5	4 x 9	3	10	6 x25	12½	60	9 x12	9	27
1 x14	1⅙	6	4 x10	3⅓	8	6 x26	13	56	9 x14	10½	30
1 x16	1⅓	6	4 x10½	3½	11	6 x27	13½	39	9 x16	12	36
1 x18	1½	6	4 x12	4	12	6 x28	14	50	9 x18	13½	39
1 x20	1⅔	6	4 x13½	4½	13	6 x30	15	44	9 x20	15	44
1 x24	2	7	4 x14	4⅔	17	6 x32	16	51	9 x22	16½	47
1 x28	2⅓	8	4 x15	5	14	6 x33	16½	47	9 x24	18	52
1 x30	2½	9	4 x16	5⅓	18	7 x 8	4⅔	17	9 x26	19½	57
1 x32	2⅔	8	4 x18	6	19	7 x10	5⅚	22	9 x28	21	59
2 x 3	½	5	4 x20	6⅔	20	7 x12	7	25	9 x30	22½	61
2 x 4	⅔	5	4 x21	7	25	7 x14	8⅙	30	9 x32	24	55
2 x 5	⅚	5	4 x22	7⅓	46	7 x16	9⅓	34	10 x10	8⅓	22
2 x 6	1	5	4 x24	8	26	7 x18	10½	30	10 x12	10	28
2 x 7	1⅙	6	4 x25	8⅓	22	7 x20	11⅔	42	10 x13	10⅚	56
2 x 8	1⅓	6	4 x27	9	27	7 x24	14	50	10 x14	11⅔	42
2 x 9	1½	6	4 x30	10	28	7 x22	12⅚	47	10 x15	12½	60
2 x10	1⅔	6	4 x32	10⅔	35	7 x26	15⅙	57	10 x16	13⅓	37
2 x12	2	7	5 x 6	2½	9	7 x28	16⅓	59	10 x17	14⅙	70
2 x14	2⅓	8	5 x 8	3⅓	8	7 x30	17½	61	10 x18	15	44
2 x15	2½	9	5 x10	4⅙	21	7 x32	18⅔	64	10 x19	15⅚	74
2 x16	2⅔	8	5 x12	5	14	8 x 8	5⅓	18	10 x20	16⅔	45
2 x18	3	10	5 x14	5⅚	22	8 x 8¼	5½	46	10 x21	17½	61
2 x20	3⅓	8	5 x16	6⅔	20	8 x 9	6	19	10 x22	18⅓	47
2 x21	3½	11	5 x18	7½	22	8 x 9¾	6½	56	10 x23	19⅙	89
2 x24	4	12	5 x20	8⅓	22	8 x10	6⅔	20	10 x24	20	53
2 x25	4⅙	21	5 x22	9⅙	46	8 x10½	7	25	10 x26	21⅔	57
2 x28	4⅔	17	5 x24	10	28	8 x11	7⅓	46	10 x27	22½	61
2 x30	5	14	5 x26	10⅚	56	8 x11¼	7½	22	10 x28	23⅓	78
2 x32	5⅓	18	5 x28	11⅔	42	8 x12	8	26	10 x30	25	61
3 x 4	1	5	5 x30	12½	60	8 x12½	8⅓	22	10 x32	26⅔	67
3 x 6	1½	6	5 x32	13⅓	37	8 x13½	9	27	11 x12	11	46
3 x 8	2	7	6 x 6	3	10	8 x14	9⅓	34	11 x14	12⅚	47
3 x10	2½	9	6 x 7	3½	11	8 x14¼	9½	74	11 x16	14⅔	47
3 x12	3	10	6 x 8	4	12	8 x15	10	28	11 x18	16½	47
3 x14	3½	11	6 x 9	4½	13	8 x16	10⅔	35	11 x20	18⅓	47
3 x16	4	12	6 x10	5	14	8 x17	11⅓	70	11 x24	22	54
3 x18	4½	13	6 x11	5½	46	8 x18	12	36	11 x28	25⅔	88
3 x20	5	14	6 x12	6	19	8 x19	12⅔	74	12 x12	12	36
3 x22	5½	46	6 x13	6½	56	8 x20	13⅓	37	12 x13	13	56
3 x24	6	19	6 x14	7	25	8 x21	14	50	12 x14	14	50
3 x26	6½	56	6 x15	7½	22	8 x22	14⅔	47	12 x15	15	44
3 x28	7	25	6 x16	8	26	8 x23	15⅓	89	12 x16	16	51
3 x30	7½	22	6 x17	8½	70	8 x24	16	51	12 x17	17	70
4 x 4	1⅓	6	6 x18	9	27	8 x25	16⅔	45	12 x18	18	52
4 x 4½	1½	6	6 x19	9½	74	8 x26	17⅓	57	12 x19	19	74
4 x 5	1⅔	6	6 x20	10	28	8 x27	18	52	12 x19½	19½	57
4 x 6	2	7	6 x21	10½	30	8 x28	18⅔	64	12 x20	20	58

See explanation page 159.

1 Foot in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
12 x21	21	59	16 x30	40	83	1¾x 8	1⅛	6	10½x24	21	59
12 x22	22	54	17 x24	34	208	1¾x16	2⅜	8	10½x32	28	93
12 x23	23	89	18 x18	27	73	1¾x24	3½	11	11¼x24	22½	61
12 x24	24	55	18 x20	30	80	1¾x32	4⅝	17	11¼x32	30	80
12 x25	25	61	18 x22	33	88	2¼x 8	1½	6	11½x12	11½	89
12 x26	26	206	18 x23	34½	90	2¼x24	4½	13	11½x24	23	89
12 x27	27	73	18 x24	36	95	2⅝x 4	⅝	5	11½x32	30⅜	90
12 x28	28	93	18 x26	39	208	2⅝x 8	1⅜	6	**2 Feet.**		
12 x29	29	206	18 x28	42	99	2⅝x12	2⅛	9			
12 x30	30	80	18 x30	45	103	2⅝x16	3⅛	8	1 x 3	½	5
12 x31	31	208	19 x24	38	208	2½x20	4⅛	21	1 x 4	⅝	5
12 x32	32	69	20 x20	33⅓	81	2½x24	5	14	1 x 5	⅝	5
12 x33	33	88	20 x21	35	86	2½x32	6⅝	20	1 x 6	1	5
12 x34	34	208	20 x22	36⅔	82	3½x 4	1⅛	6	1 x 7	1⅛	6
12 x35	35	86	20 x24	40	83	3½x 8	2⅛	8	1 x 8	1⅜	6
12 x36	36	95	20 x26	43⅓	83	3½x12	3½	11	1 x 9	1½	6
13 x14	15⅛	57	20 x27	45	103	3½x16	4⅝	17	1 x10	1⅝	6
13 x16	17⅓	57	20 x28	46⅔	84	3½x20	5⅝	22	1 x12	2	7
13 x18	19½	57	20 x30	50	84	3½x24	7	25	1 x14	2⅛	8
13 x20	21⅔	57	21 x27	47¼	123	3¾x 8	2½	9	1 x15	2½	9
13 x24	26	206	21 x28	49	210	3¾x16	5	14	1 x16	2⅝	8
13 x36	39	208	21 x30	52½	123	3¾x24	7½	22	1 x18	3	10
14 x14	16⅓	59	22 x24	44	96	4½x 8	3	10	1 x20	3⅓	8
14 x15	17½	61	22 x28	51⅓	100	4½x12	4½	13	1 x21	3½	11
14 x16	18⅔	64	22 x30	55	104	4½x16	6	19	1 x24	4	12
14 x17	19⅝	71	23 x24	46	210	4½x24	9	27	1 x25	4⅙	21
14 x18	21	59	24 x24	48	97	5¼x 8	3½	11	1 x27	4½	13
14 x20	23⅓	78	24 x25	50	84	5¼x16	7	25	1 x28	4⅔	17
14 x21	24½	86	24 x26	52	97	5¼x24	10½	30	1 x30	5	14
14 x22	25⅔	88	24 x27	54	106	5¼x32	14	50	1 x32	5⅓	18
14 x23	26⅚	90	24 x28	56	98	5½x12	5½	46	2 x 2	⅔	5
14 x24	28	93	24 x29	58	212	5½x16	7⅓	46	2 x 2½	⅚	5
14 x27	31½	86	24 x30	60	98	5½x24	11	46	2 x 3	1	5
14 x28	32⅔	99	26 x30	65	104	5½x32	14⅔	47	2 x 3½	1⅛	6
14 x30	35	86	26 x28	60⅔	100	6¾x 8	4½	13	2 x 4	1⅓	6
15 x16	20	53	27 x28	63	123	6¾x16	9	27	2 x 4½	1½	6
15 x18	22½	61	28 x30	70	101	6¾x24	13½	39	2 x 5	1⅔	6
15 x20	25	61	30 x30	75	105	6¾x32	18	52	2 x 6	2	7
15 x24	30	80	30 x32	80	109	7½x 8	5	14	2 x 7	2⅓	8
15 x28	35	86	1¼x 8	⅝	5	7½x12	7½	22	2 x 7½	2½	9
16 x16	21⅓	65	1¼x16	1⅔	6	7½x16	10	28	2 x 8	2⅔	8
16 x18	24	55	1¼x24	2½	9	7½x24	15	44	2 x 9	3	10
16 x20	26⅔	67	1½x 4	½	5	7½x32	20	53	2 x10	3⅓	8
16 x21	28	93	1½x 8	1	5	8½x12	8½	70	2 x10½	3½	11
16 x22	29⅓	68	1½x12	1½	6	8½x24	17	70	2 x12	4	12
16 x23	30⅔	90	1½x16	2	7	8½x32	22⅔	71	2 x12½	4⅙	21
16 x24	32	69	1½x20	2½	9	9½x12	9½	74	2 x13½	4½	13
16 x25	33⅓	81	1½x24	3	10	9½x24	19	74	2 x14	4⅔	17
16 x27	36	95	1½x28	3½	11	9½x32	25⅓	75	2 x15	5	14
16 x28	37⅓	99	1½x32	4	12	10½x12	10½	30	2 x16	5⅓	18

See explanation page 159.

2 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x18	6	19	4 x 9	6	19	5 x24	20	53	7 x12	14	50
2 x21	7	25	4 x 9¾	6½	56	5 x26	21⅔	57	7 x13	15⅙	57
2 x22	7⅓	46	4 x10	6⅔	20	5 x28	23⅓	78	7 x14	16⅓	59
2 x24	8	26	4 x10½	7	25	5 x30	25	61	7 x15	17½	61
2 x25	8⅓	22	4 x11	7⅓	46	5 x32	26⅔	67	7 x16	18⅔	64
2 x26	8⅔	56	4 x11¼	7½	22	6 x 6	6	19	7 x17	19⅚	71
2 x27	9	27	4 x12	8	26	6 x 6½	6½	56	7 x18	21	59
2 x28	9⅓	34	4 x12¼	8⅙	30	6 x 7	7	25	7 x19	22⅙	75
2 x30	10	28	4 x12½	8⅓	22	6 x 7½	7½	22	7 x20	23⅓	78
2 x32	10⅔	35	4 x12¾	8½	70	6 x 8	8	26	7 x21	24½	86
3 x 3	1½	6	4 x13	8⅔	56	6 x 8½	8½	70	7 x22	25⅔	88
3 x 4	2	7	4 x13½	9	27	6 x 9	9	27	7 x23	26⅚	90
3 x 5	2½	9	4 x13¾	9⅙	46	6 x 9½	9½	74	7 x24	28	93
3 x 6	3	10	4 x14	9⅓	34	6 x10	10	28	7 x27	31½	86
3 x 7	3½	11	4 x14¼	9½	74	6 x10½	10½	30	7 x28	32⅔	99
3 x 8	4	12	4 x15	10	28	6 x11	11	46	7 x30	35	86
3 x 9	4½	13	4 x16	10⅔	35	6 x11½	11½	89	8 x 8	10⅔	35
3 x10	5	14	4 x17	11⅓	70	6 x12	12	36	8 x 8¼	11	46
3 x11	5½	46	4 x18	12	36	6 x12½	12½	60	8 x 8½	11⅓	70
3 x12	6	19	4 x19	12⅔	74	6 x13	13	56	8 x 8¾	11⅔	42
3 x13	6½	56	4 x20	13⅓	37	6 x13½	13½	39	8 x 9	12	36
3 x14	7	25	4 x21	14	50	6 x14	14	50	8 x 9½	12⅔	74
3 x15	7½	22	4 x22	14⅔	47	6 x15	15	44	8 x 9¾	13	56
3 x16	8	26	4 x23	15⅓	89	6 x16	16	51	8 x10	13⅓	37
3 x17	8½	70	4 x24	16	51	6 x16½	16½	47	8 x10½	14	50
3 x18	9	27	4 x25	16⅔	45	6 x17	17	70	8 x11	14⅔	47
3 x19	9½	74	4 x26	17⅓	57	6 x17½	17½	61	8 x11¼	15	44
3 x20	10	28	4 x27	18	52	6 x18	18	52	8 x11½	15⅓	89
3 x21	10½	30	4 x28	18⅔	64	6 x19	19	74	8 x12	16	51
3 x22	11	46	4 x30	20	53	6 x19½	19½	57	8 x12¼	16⅓	59
3 x23	11½	89	4 x32	21⅓	65	6 x20	20	53	8 x12½	16⅔	45
3 x24	12	36	5 x 5	4⅙	21	6 x21	21	59	8 x12¾	17	70
3 x25	12½	60	5 x 6	5	14	6 x22	22	54	8 x13	17⅓	57
3 x26	13	56	5 x 7	5⅚	22	6 x22½	22½	61	8 x13½	18	52
3 x27	13½	39	5 x 8	6⅔	20	6 x23	23	89	8 x13¾	18⅓	47
3 x28	14	50	5 x 9	7½	22	6 x24	24	55	8 x14	18⅔	64
3 x30	15	44	5 x10	8⅓	22	6 x24½	24½	86	8 x14¼	19	74
3 x32	16	51	5 x11	9⅙	46	6 x27	27	73	8 x15	20	53
4 x 4	2⅔	8	5 x12	10	28	6 x28	28	93	8 x16	21⅓	65
4 x 4½	3	10	5 x13	10⅚	56	6 x28½	28½	75	8 x17	22⅔	71
4 x 5	3⅓	8	5 x14	11⅔	42	6 x29	29	206	8 x18	24	55
4 x 5¼	3½	11	5 x15	12½	60	6 x30	30	80	8 x19	25⅓	75
4 x 6	4	12	5 x16	13⅓	37	6 x31	31	208	8 x20	26⅔	67
4 x 6¼	4⅙	21	5 x17	14⅙	70	6 x31½	31½	86	8 x21	28	93
4 x 6¾	4½	13	5 x18	15	44	6 x32	32	69	8 x22	29⅓	68
4 x 7	4⅔	17	5 x19	15⅚	74	7 x 7	8⅙	30	8 x23	30⅔	90
4 x 7½	5	14	5 x20	16⅔	45	7 x 8	9⅓	34	8 x24	32	69
4 x 8	5⅓	18	5 x21	17½	61	7 x 9	10½	30	8 x25	33⅓	81
4 x 8¼	5½	46	5 x22	18⅓	47	7 x10	11⅔	42	8 x27	36	95
4 x 8¾	5⅚	22	5 x23	19⅙	89	7 x11	12⅚	47	8 x28	37⅓	99

See explanation page 159.

2 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
8 x30	40	83	12 x12¼	24½	86	15 x28	70	101	30 x30	150	116
9 x 9	13½	39	12 x12½	25	61	15 x30	75	105	30 x32	160	111
9 x10	15	44	12 x12¾	25½	71	16 x18	48	97	32 x32	170⅔	112
9 x11	16½	47	12 x13	26	206	16 x21	56	98	1¼x 4	⅝	5
9 x12	18	52	12 x13½	27	73	16 x24	64	109	1¼x 8	1⅛	6
9 x13	19½	57	12 x14	28	93	16 x27	72	107	1¼x12	2½	9
9 x14	21	59	12 x14¼	28½	75	16 x28	74⅔	111	1¼x16	3⅜	8
9 x15	22½	61	12 x14½	29	206	16 x30	80	109	1¼x20	4⅛	21
9 x16	24	55	12 x15	30	80	17 x18	51	212	1¼x24	5	14
9 x18	27	73	12 x16	32	69	17 x24	68	214	1¼x28	5⅝	22
9 x19	28½	75	12 x17	34	208	17 x30	85	218	1½x 2	½	5
9 x20	30	80	12 x18	36	95	18 x18	54	106	1½x 4	1	5
9 x21	31½	86	12 x19	38	208	18 x19	57	212	1½x 6	1½	6
9 x22	33	88	12 x20	40	83	18 x20	60	98	1½x 8	2	7
9 x23	34½	90	12 x21	42	99	18 x21	63	123	1½x10	2½	9
9 x24	36	95	12 x22	44	96	18 x22	66	107	1½x12	3	10
9 x26	39	208	12 x23	46	210	18 x23	69	214	1½x14	3½	11
9 x28	42	99	12 x24	48	97	18 x24	72	107	1½x16	4	12
9 x30	45	103	12 x25	50	84	18 x25	75	105	1½x18	4½	13
10 x10	16⅔	45	12 x26	52	97	18 x26	78	107	1½x20	5	14
10 x10½	17½	61	12 x27	54	106	18 x27	81	218	1½x24	6	19
10 x11	18⅓	47	12 x28	56	98	18 x28	84	108	1½x28	7	25
10 x11½	19⅙	89	12 x29	58	212	18 x29	87	218	1½x32	8	26
10 x12	20	53	12 x30	60	98	18 x30	90	108	1⅝x 8	2⅓	8
10 x13	21⅔	57	13 x18	39	208	19 x24	76	216	1⅝x12	3½	11
10 x13½	22½	61	13 x20	43⅓	83	19 x30	95	220	1⅝x16	4⅝	17
10 x14	23⅓	78	13 x24	52	97	20 x21	70	101	1¾x24	7	25
10 x15	25	61	13 x28	60⅔	100	20 x24	80	109	1¾x32	9⅓	34
10 x16	26⅔	67	13 x30	65	104	20 x27	90	108	2¼x 8	3	10
10 x17	28⅓	71	14 x14	32⅔	99	20 x28	93⅓	113	2¼x12	4½	13
10 x18	30	80	14 x15	35	86	20 x30	100	115	2¼x16	6	19
10 x19	31⅔	75	14 x16	37⅓	99	21 x22	77	216	2¼x24	9	27
10 x20	33⅓	81	14 x18	42	99	21 x24	84	108	2¼x32	12	36
10 x21	35	86	14 x20	46⅔	84	21 x25	87½	102	2½x 4	1⅔	6
10 x22	36⅔	82	14 x21	49	210	21 x26	91	220	2½x 6	2½	9
10 x23	38⅓	90	14 x22	51⅓	100	21 x27	94½	123	2½x 8	3⅓	8
10 x24	40	83	14 x24	56	98	21 x28	98	220	2½x12	5	14
10 x26	43⅓	83	14 x25	58⅓	101	21 x30	105	123	2½x14	5⅚	22
10 x27	45	103	14 x26	60⅔	100	21 x32	112	110	2½x16	6⅔	20
10 x28	46⅔	84	14 x27	63	123	22 x24	88	109	2½x18	7½	22
10 x30	50	84	14 x28	65⅓	100	22 x27	99	220	2½x20	8⅓	22
11 x12	22	54	14 x30	70	101	23 x24	92	220	2½x22	9⅙	46
11 x14	25⅔	88	14 x32	74⅔	111	24 x24	96	110	2⅔x24	10	28
11 x16	29⅓	68	15 x16	40	83	24 x25	100	115	2½x26	10⅚	56
11 x18	33	88	15 x18	45	103	24 x26	104	110	2½x28	11⅔	42
11 x20	36⅔	82	15 x20	50	84	24 x28	112	110	2½x30	12½	60
11 x24	44	96	15 x21	52½	123	24 x30	120	110	2⅔x32	13⅓	37
11 x28	51⅓	100	15 x22	55	104	25 x28	116⅔	115	2¾x12	5½	46
11 x30	55	104	15 x24	60	98	27 x28	126	123	2¾x24	11	46
12 x12	24	55	15 x26	65	104	28 x30	140	118	2¾x36	16½	47

See explanation page 159.

2 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.
3¼x12	6½	56	6¼x12	12½	60
3¼x24	13	56	6¼x24	25	61
3½x 4	2⅔	8	6½x 8	8⅔	56
3½x 6	3½	11	6½x10	10⅔	56
3½x 8	4⅔	17	6½x12	13	56
3½x10	5⅔	22	6½x14	15⅓	57
3½x12	7	25	6½x16	17⅓	57
3½x16	9⅓	34	6½x20	21⅔	57
3½x20	11⅔	42	6½x24	26	206
3½x24	14	50	6⅔x 8	9	27
3½x28	16⅓	59	6⅔x12	13½	39
3½x30	17½	61	6⅔x16	18	52
3½x32	18⅔	64	6⅔x24	27	73
3⅔x 4	2½	9	7½x 8	10	28
3⅔x 8	5	14	7½x10	12½	60
3⅔x12	7½	22	7½x12	15	44
3⅔x16	10	28	7½x14	17½	61
3⅔x20	12½	60	7½x16	20	53
3⅔x24	15	44	7½x20	25	61
3⅔x28	17½	61	7½x24	30	80
3⅔x32	20	53	7½x28	35	86
4¼x12	8½	70	7½x32	40	83
4¼x24	17	70	8¼x12	16½	47
4½x 6	4½	13	8¼x24	33	88
4½x 8	6	19	8½x10	14⅛	70
4½x10	7½	22	8½x12	17	70
4½x12	9	27	8½x14	19⅝	71
4½x14	10½	30	8½x20	28⅓	71
4½x16	12	36	8½x24	34	208
4½x18	13½	39	8⅔x12	17½	61
4½x20	15	44	8⅔x24	35	86
4½x22	16½	47	9½x10	15⅝	74
4½x24	18	52	9½x12	19	74
4½x26	19½	57	9½x14	22⅛	75
4½x28	21	59	10½x12	21	59
4½x30	22½	61	10½x14	24½	86
4½x32	24	55	11¼x12	22½	61
5¼x 8	7	25	13½x14	31½	86
5¼x12	10½	30			
5¼x16	14	50			
5¼x24	21	59			
5½x 6	5½	46			
5½x 8	7⅓	46			
5½x12	11	46			
5½x14	12⅞	47			
5½x16	14⅔	47			
5½x18	16½	47			
5½x20	18⅓	47			
5½x24	22	54			
5½x28	25⅔	88			

3 Feet.

Size.	Feet.	Page.
1 x 2	½	5
1 x 4	1	5
1 x 6	1½	6
1 x 8	2	7
1 x10	2½	9
1 x12	3	10
1 x14	3½	11
1 x16	4	12
1 x18	4½	13
1 x20	5	14

3 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.
1 x22	5½	46	4 x10	10	28
1 x24	6	19	4 x10½	10½	30
2 x 2	1	5	4 x11	11	46
2 x 3	1½	6	4 x11½	11½	89
2 x 4	2	7	4 x12	12	36
2 x 5	2½	9	4 x12½	12½	60
2 x 6	3	10	4 x13	13	56
2 x 7	3½	11	4 x13½	13½	39
2 x 8	4	12	4 x14	14	50
2 x 9	4½	13	4 x15	15	44
2 x10	5	14	4 x16	16	51
2 x11	5½	46	4 x17	17	70
2 x12	6	19	4 x18	18	52
2 x13	6½	56	4 x19	19	74
2 x14	7	25	4 x20	20	53
2 x15	7½	22	4 x21	21	59
2 x16	8	26	4 x22	22	54
2 x17	8½	70	4 x23	23	89
2 x18	9	27	4 x24	24	55
2 x19	9½	74	4 x25	25	61
2 x20	10	28	4 x26	26	206
2 x21	10½	30	4 x27	27	73
2 x22	11	46	4 x28	28	93
2 x23	11½	89	4 x29	29	206
2 x24	12	36	4 x30	30	80
3 x 4	3	10	5 x 6	7½	22
3 x 6	4½	13	5 x 8	10	28
3 x 8	6	19	5 x10	12½	60
3 x10	7½	22	5 x12	15	44
3 x12	9	27	5 x14	17½	61
3 x14	10½	30	5 x16	20	53
3 x16	12	36	5 x18	22½	61
3 x18	13½	39	5 x20	25	61
3 x20	15	44	5 x24	30	80
3 x22	16½	47	5 x28	35	86
3 x24	18	52	6 x 6	9	27
3 x26	19½	57	6 x 7	10½	30
3 x28	21	59	6 x 8	12	36
4 x 4	4	12	6 x 9	13½	39
4 x 4½	4½	13	6 x10	15	44
4 x 5	5	14	6 x11	16½	47
4 x 5½	5½	46	6 x12	18	52
4 x 6	6	19	6 x13	19½	57
4 x 6½	6½	56	6 x14	21	59
4 x 7	7	25	6 x15	22½	61
4 x 7½	7½	22	6 x16	24	55
4 x 8	8	26	6 x17	25½	71
4 x 8½	8½	70	6 x18	27	73
4 x 9	9	27	6 x19	28½	75
4 x 9½	9½	74	6 x20	30	80

See explanation page 159.

3 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
6 x21	31½	86	8 x27	54	106	14 x14	49	210	1¼x24	7½	22
6 x22	33	88	8 x28	56	98	14 x15	52½	123	1¼x32	10	28
6 x23	34½	90	8 x29	58	212	14 x16	56	98	1½x 4	1½	6
6 x24	36	95	8 x30	60	98	14 x18	63	123	1½x 8	3	10
6 x26	39	208	9 x10	22½	61	14 x20	70	101	1½x12	4½	13
6 x28	42	99	9 x12	27	73	14 x21	73½	123	1½x16	6	19
6 x30	45	103	9 x14	31½	86	14 x22	77	216	1½x20	7½	22
7 x 8	14	50	9 x16	36	95	14 x24	84	108	1½x24	9	27
7 x10	17½	61	9 x20	45	103	14 x25	87½	102	1½x28	10½	30
7 x12	21	59	9 x24	54	106	14 x26	91	220	1½x32	12	36
7 x14	24½	86	9 x28	63	123	14 x27	94½	123	1¾x 8	3½	11
7 x16	28	93	10 x10	25	61	14 x28	98	220	1¾x16	7	25
7 x18	31½	86	10 x12	30	80	14 x30	105	123	1¾x24	10½	30
7 x20	35	86	10 x14	35	86	15 x16	60	98	1¾x32	14	50
7 x24	42	99	10 x16	40	83	15 x20	75	105	2¼x 8	4½	13
7 x28	49	210	10 x18	45	103	15 x24	90	108	2¼x16	9	27
7 x30	52½	123	10 x20	50	84	15 x28	105	123	2¼x24	13½	39
8 x 8	16	51	10 x21	52½	123	16 x16	64	109	2¼x32	18	52
8 x 8¼	16½	47	10 x22	55	104	16 x17	68	214	2½x 4	2½	9
8 x 8½	17	70	10 x24	60	98	16 x18	72	107	2½x 8	5	14
8 x 8¾	17½	61	10 x26	65	104	16 x19	76	216	2½x12	7½	22
8 x 9	18	52	10 x28	70	101	16 x20	80	109	2½x16	10	28
8 x 9¼	19	74	10 x30	75	105	16 x21	84	108	2½x20	12½	60
8 x 9¾	19½	57	11 x12	33	88	16 x22	88	109	2½x24	15	44
8 x10	20	53	11 x16	44	96	16 x23	92	220	2½x28	17½	61
8 x10½	21	59	11 x20	55	104	16 x24	96	110	2½x32	20	53
8 x11	22	54	11 x24	66	107	16 x25	100	115	2¾x 8	5½	46
8 x11¼	22½	61	11 x28	77	216	16 x26	104	110	2¾x16	11	46
8 x11½	23	89	12 x12	36	95	16 x28	112	110	2¾x24	16½	47
8 x12	24	55	12 x13	39	208	16 x30	120	110	2¾x32	22	54
8 x12¼	24½	86	12 x14	42	99	17 x20	85	218	3¼x 8	6½	56
8 x12½	25	61	12 x15	45	103	18 x18	81	218	3¼x16	13	56
8 x12¾	25½	71	12 x16	48	97	18 x20	90	108	3¼x24	19½	57
8 x13	26	206	12 x17	51	212	18 x21	94½	123	3¼x32	26	206
8 x13½	27	73	12 x18	54	106	18 x22	99	220	3½x 4	3½	11
8 x14	28	93	12 x19	57	212	18 x28	126	123	3½x 8	7	25
8 x14¼	28½	75	12 x20	60	98	19 x20	95	220	3½x12	10½	30
8 x14½	29	206	12 x21	63	123	20 x20	100	115	3½x16	14	50
8 x15	30	80	12 x22	66	107	20 x21	105	123	3½x24	21	59
8 x16	32	69	12 x23	69	214	20 x24	120	110	3½x28	24½	86
8 x17	34	208	12 x24	72	107	20 x28	140	118	3½x32	28	93
8 x18	36	95	12 x25	75	105	20 x30	150	116	3¾x 8	7½	22
8 x19	38	208	12 x26	78	107	21 x24	126	123	3¾x16	15	44
8 x20	40	83	12 x27	81	218	24 x24	144	110	3¾x24	22½	61
8 x21	42	99	12 x28	84	108	24 x25	150	116	3¾x32	30	80
8 x22	44	96	12 x29	87	218	24 x28	168	120	4¼x 8	8½	70
8 x23	46	210	12 x30	90	108	24 x30	180	118	4¼x16	17	70
8 x24	48	97	13 x16	52	97	24 x32	192	113	4¼x24	25½	71
8 x25	50	84	13 x24	78	107	1¼x 8	2½	9	4¼x32	34	208
8 x26	52	97	13 x28	91	220	1¼x16	5	14	4½x 8	9	27

See explanation page 159.

3 Feet in Length.

Size.	Feet.	Page.
4½x12	13½	39
4½x16	18	52
4½x24	27	73
4½x32	36	95
4½x 8	9½	74
4⅝x16	19	74
5½x 8	10½	30
5½x16	21	59
5½x24	31½	86
5½x 8	11	46
5⅝x12	16½	47
5⅝x16	22	54
5⅝x24	33	88
6¼x 8	12½	60
6¼x16	25	61
6⅜x 8	13	56
6½x12	19½	57
6½x16	26	206
6½x24	39	208
6¾x 8	13½	39
6¾x16	27	73
7½x 8	15	44
7½x12	22½	61
7½x16	30	80
7½x24	45	103
8½x12	25½	71
8½x24	51	212
9½x12	28½	75
9½x24	57	212
10½x12	31½	86
10½x24	63	123
11½x12	34½	90

4 Feet.

1 x 1½	½	5
1 x 2	⅝	5
1 x 2½	⅝	5
1 x 3	1	5
1 x 3½	1⅛	6
1 x 4	1⅓	6
1 x 4½	1½	6
1 x 5	1⅝	6
1 x 6	2	7
1 x 7	2⅓	8
1 x 7½	2½	9
1 x 8	2⅝	8
1 x 9	3	10
1 x10	3⅓	8
1 x10½	3½	11
1 x12	4	12

4 Feet in Length.

Size.	Feet.	Page
1 x12½	4⅛	21
1 x13½	4½	13
1 x14	4⅝	17
1 x15	5	14
1 x16	5⅓	18
1 x18	6	19
1 x20	6⅝	20
1 x22	7⅓	46
1 x24	8	26
2 x 2	1⅓	6
2 x 2½	1½	6
2 x 2½	1⅝	6
2 x 3	2	7
2 x 3½	2⅓	8
2 x 3¾	2½	9
2 x 4	2⅝	8
2 x 4½	3	10
2 x 5	3⅓	8
2 x 5¼	3½	11
2 x 6	4	12
2 x 6¼	4⅛	21
2 x 6⅜	4⅛	13
2 x 7	4⅝	17
2 x 7½	5	14
2 x 8	5⅓	18
2 x 8¼	5½	46
2 x 8¾	5⅝	22
2 x 9	6	19
2 x 9¾	6½	56
2 x10	6⅔	20
2 x10½	7	25
2 x11	7⅓	46
2 x11¼	7½	22
2 x12	8	26
2 x12¼	8⅛	30
2 x12½	8⅓	22
2 x12¾	8½	70
2 x13	8⅔	56
2 x13½	9	27
2 x13¾	9⅛	46
2 x14	9⅓	34
2 x14¼	9½	74
2 x15	10	28
2 x16	10⅔	35
2 x17	11⅓	70
2 x18	12	36
2 x19	12⅝	74
2 x20	13⅓	37
2 x21	14	50
2 x22	14⅔	47
2 x23	15⅓	89
2 x24	16	51
2 x25	16⅔	45
2 x26	17⅓	57
2 x27	18	52
2 x28	18⅔	64
2 x30	20	53
3 x 3	3	10
3 x 3½	3½	11
3 x 4	4	12
3 x 4½	4½	13
3 x 5	5	14
3 x 5½	5½	46
3 x 6	6	19
3 x 6½	6½	56
3 x 7	7	25
3 x 7½	7½	22
3 x 8	8	26
3 x 8½	8½	70
3 x 9	9	27
3 x 9½	9½	74
3 x10	10	28
3 x10½	10½	30
3 x11	11	46
3 x11½	11½	89
3 x12	12	36
3 x12½	12½	60
3 x13	13	56
3 x13½	13½	39
3 x14	14	50
3 x15	15	44
3 x16	16	51
3 x17	17	70
3 x18	18	52
3 x19	19	74
3 x20	20	53
3 x21	21	59
3 x22	22	54
3 x23	23	89
3 x24	24	55
3 x25	25	61
3 x26	26	206
3 x27	27	73
3 x28	28	93
3 x29	29	206
3 x30	30	80
4 x 4	5⅓	18
4 x 4½	6	19
4 x 5	6⅔	20
4 x 5¼	7	25
4 x 5½	7⅓	46
4 x 6	8	26
4 x 6¼	8⅓	22
4 x 6½	8⅔	56
4 x 6¾	9	27
4 x 7	9⅓	34
4 x 7½	10	28
4 x 8	10⅔	35
4 x 8¼	11	46
4 x 8½	11⅓	70
4 x 8¾	11⅔	42
4 x 9	12	36
4 x 9½	12⅔	74
4 x 9¾	13	56
4 x10	13⅓	37
4 x10½	14	50
4 x11	14⅔	47
4 x11¼	15	44
4 x11½	15⅓	89
4 x12	16	51
4 x12¼	16⅓	59
4 x12½	16⅔	45
4 x12¾	17	70
4 x13	17⅓	57
4 x13½	18	52
4 x13¾	18⅓	47
4 x14	18⅔	64
4 x14¼	19	74
4 x15	20	53
4 x16	21⅓	65
4 x17	22⅔	71
4 x18	24	55
4 x19	25⅓	75
4 x20	26⅔	67
4 x21	28	93
4 x22	29⅓	68
4 x23	30⅔	90
4 x24	32	69
4 x25	33⅓	81
4 x27	36	95
4 x28	37⅓	99
4 x30	40	83
5 x 5	8⅓	22
5 x 6	10	28
5 x 6½	10⅝	56
5 x 7	11⅔	42
5 x 7½	12½	60
5 x 8	13⅓	37
5 x 8½	14⅙	70
5 x 9	15	44

See explanation page 159.

4 Feet in Length.

Size.	Feet.	Page.	Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
5 x 9½	15⅝	74	6 x17	34	208	8 x12	32	69	10 x21	70	101
5 x10	16⅔	45	6 x18	36	95	8 x12½	32⅔	99	10 x24	80	109
5 x10½	17½	61	6 x19	38	208	8 x12⅔	33⅓	81	10 x27	90	108
5 x11	18⅓	47	6 x20	40	83	8 x12¾	34	208	10 x28	93⅓	113
5 x12	20	53	6 x21	42	99	8 x13⅓	36	95	10 x30	100	115
5 x13	21⅔	57	6 x22	44	96	8 x13¾	36⅔	82	11 x12	44	96
5 x13½	22½	61	6 x23	46	210	8 x14	37⅓	99	11 x14	51⅓	100
5 x14	23⅓	78	6 x24	48	97	8 x14¼	38	208	11 x15	55	104
5 x15	25	61	6 x25	50	84	8 x15	40	83	11 x18	66	107
5 x16	26⅔	67	6 x26	52	97	8 x18	48	97	11 x21	77	216
5 x17	28⅓	71	6 x27	54	106	8 x21	56	98	11 x24	88	109
5 x18	30	80	6 x28	56	98	8 x24	64	109	11 x27	99	220
5 x20	33⅓	81	6 x29	58	212	8 x27	72	107	12 x12	48	97
5 x21	35	86	6 x30	60	98	8 x28	74⅔	111	12 x12¼	49	210
5 x22	36⅔	82	7 x 7	16⅓	59	8 x30	80	109	12 x12½	50	84
5 x23	38⅓	90	7 x 7½	17½	61	9 x 9	27	73	12 x12¾	51	212
5 x24	40	83	7 x 8	18⅔	64	9 x 9½	28½	75	12 x13	52	97
5 x26	43⅓	83	7 x 8½	19⅝	71	9 x10	30	80	12 x13¼	53	212
5 x27	45	103	7 x 9	21	59	9 x10½	31½	86	12 x13½	54	106
5 x28	46⅔	84	7 x 9½	22⅛	75	9 x11	33	88	12 x13¾	55	104
5 x30	50	84	7 x10	23⅓	78	9 x11½	34½	90	12 x14	56	98
6 x 6	12	36	7 x10½	24½	86	9 x12	36	95	12 x14¼	57	212
6 x 6¼	12½	60	7 x11	25⅔	88	9 x13	39	208	13 x14½	58	212
6 x 6½	13	56	7 x11½	26⅝	90	9 x14	42	99	12 x14¾	59	212
6 x 6¾	13½	39	7 x12	28	93	9 x15	45	103	12 x15	60	98
6 x 7	14	50	7 x13⅓	31½	86	9 x16	48	97	12 x15¼	61	214
6 x 7½	15	44	7 x14	32⅔	99	9 x17	51	212	12 x15½	62	214
6 x 8	16	51	7 x15	35	86	9 x18	54	106	12 x15¾	63	123
6 x 8¼	16½	47	7 x18	42	99	9 x19	57	212	12 x16	64	109
6 x 8½	17	70	7 x20	46⅔	84	9 x20	60	98	12 x17	68	214
6 x 8¾	17½	61	7 x21	49	210	9 x21	63	123	12 x18	72	107
6 x 9	18	52	7 x22	51⅓	100	9 x22	66	107	12 x19	76	216
6 x 9½	19	74	7 x24	56	98	9 x23	69	214	12 x20	80	109
6 x 9¾	19½	57	7 x25	58⅓	101	9 x24	72	107	12 x21	84	108
6 x10	20	53	7 x26	60⅔	100	9 x25	75	105	12 x22	88	109
6 x10½	21	59	7 x27	63	123	9 x26	78	107	12 x23	92	220
6 x11	22	54	7 x28	65⅓	100	9 x27	81	218	12 x24	96	110
6 x11¼	22½	61	7 x30	70	101	9 x28	84	108	12 x25	100	115
6 x11½	23	89	8 x 8	21⅓	65	9 x29	87	218	12 x26	104	110
6 x12	24	55	8 x 8½	22	54	9 x30	90	108	12 x28	112	110
6 x12¼	24½	86	8 x 8½	22⅔	71	10 x10	33⅓	81	12 x30	120	110
6 x12½	25	61	8 x 8¾	23⅓	78	10 x10½	35	86	13 x14	60⅔	100
6 x12¾	25½	71	8 x 9	24	55	10 x11	36⅔	82	13 x15	65	104
6 x13	26	206	8 x 9½	25⅓	75	10 x11½	38⅓	90	13 x18	78	107
6 x13½	27	73	8 x 9¾	26	206	10 x12	40	83	13 x21	91	220
6 x14	28	93	8 x10	26⅔	67	10 x13	43⅓	83	13 x24	104	110
6 x14¼	28½	75	8 x10½	28	93	10 x14	46⅔	84	14 x14	65⅓	100
6 x14½	29	206	8 x11	29⅓	68	10 x15	50	84	14 x15	70	101
6 x15	30	80	8 x11¼	30	80	10 x18	60	98	14 x16	74⅔	111
6 x16	32	69	8 x11½	30⅔	90	10 x19½	65	104	14 x18	84	108

See explanation page 159.

4 ft.
5 ft.
6 ft.
7 & 8 ft.
9 ft.
10 ft.
11 & 12 ft.
13 & 14 ft.
15 & 16 ft.
17 ft.
18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 In.
2 to 3 In.
3 to 4 In.
4 to 5 In.
5 to 6 In.
6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In.
11 to 12 In.
Log Scales.

4 Feet in Length.

Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
14 x20	93⅓	113	25 x28	233⅓	117	1¾x24	14	50	3½x 4	4⅔	17
14 x21	98	220	26 x30	260	119	2¼x 4	3	10	3½x 5	5⅝	22
14 x24	112	110	28 x30	280	119	2¼x 6	4½	13	3½x 6	7	25
14 x25	116⅔	115	30 x30	300	117	2¼x 8	6	19	3½x 7	8⅛	30
14 x27	126	123	1¼x 2	⅝	5	2¼x10	7½	22	3½x 8	9⅓	34
14 x30	140	118	1¼x 4	1⅔	6	2¼x12	9	27	3½x 9	10½	30
15 x15	75	105	1¼x 6	2½	9	2¼x14	10½	30	3½x10	11⅔	42
15 x16	80	109	1¼x 8	3⅓	8	2¼x16	12	36	3½x11	12⅞	47
15 x17	85	218	1¼x10	4⅛	21	2¼x18	13½	39	3½x12	14	50
15 x18	90	108	1¼x12	5	14	2¼x20	15	44	3½x13	15⅛	57
15 x19	95	220	1¼x14	5⅝	22	2¼x22	16½	47	3½x14	16⅓	59
15 x20	100	115	1¼x16	6⅔	20	2¼x24	18	52	3½x15	17½	61
15 x21	105	123	1¼x18	7½	22	2½x 3	2½	9	3½x16	18⅔	64
15 x24	120	110	1¼x20	8⅓	22	2½x 4	3⅓	8	3½x17	19⅞	71
15 x28	140	118	1¼x22	9⅛	46	2½x 6	5	14	3½x18	21	59
15 x30	150	116	1½x24	10	28	2½x 7	5⅞	22	3½x19	22⅛	75
16 x16	85⅓	111	1½x 2	1	5	2½x 8	6⅔	20	3½x20	23⅓	78
16 x18	96	110	1½x 3	1½	6	2½x 9	7½	22	3½x21	24½	86
16 x20	106⅔	112	1½x 4	2	7	2½x10	8⅓	22	3½x22	25⅔	88
16 x21	112	110	1½x 5	2½	9	2½x11	9⅛	46	3½x23	26⅞	90
16 x22	117⅓	112	1½x 6	3	10	2½x12	10	28	3½x24	28	93
16 x24	128	110	1½x 7	3½	11	2½x13	10⅝	56	3¾x 4	5	14
16 x25	133⅓	116	1½x 8	4	12	2½x14	11⅔	42	3¾x 6	7½	22
16 x26	138⅔	112	1½x 9	4½	13	2½x15	12½	60	3¾x 8	10	28
16 x27	144	110	1½x10	5	14	2½x16	13⅓	37	3¾x10	12½	60
16 x28	149⅓	112	1½x11	5½	46	2½x17	14⅛	70	3¾x12	15	44
16 x30	160	111	1½x12	6	19	2½x18	15	44	3¾x14	17½	61
17 x24	136	110	1½x13	6½	56	2½x19	15⅝	74	3¾x16	20	53
18 x20	120	110	1½x14	7	25	2½x20	16⅔	45	3¾x18	22½	61
18 x21	126	123	1½x15	7½	22	2½x21	17½	61	3¾x20	25	61
18 x24	144	110	1½x16	8	26	2½x22	18⅓	47	3¾x24	30	80
18 x25	150	116	1½x17	8½	70	2½x24	20	53	4¼x 6	8½	70
18 x30	180	118	1½x18	9	27	2¾x 6	5½	46	4¼x 8	11⅓	70
19 x24	152	111	1½x19	9½	74	2¾x 8	7⅓	46	4¼x10	14⅙	70
20 x20	133⅓	116	1½x20	10	28	2¾x10	9⅙	46	4¼x12	17	70
20 x21	140	118	1½x21	10½	30	2¾x12	11	46	4¼x16	22⅔	71
20 x22	146⅔	114	1½x22	11	46	2¾x14	12⅞	47	4½x 5	7½	22
20 x24	160	111	1½x23	11½	89	2¾x16	14⅔	47	4½x 6	9	27
20 x25	166⅔	116	1½x24	12	36	2¾x18	16½	47	4½x 7	10½	30
20 x26	173⅓	114	1¾x 2	1⅙	6	2¾x20	18⅓	47	4½x 8	12	36
20 x27	180	118	1¾x 4	2⅓	8	2¾x24	22	54	4½x 9	13½	39
20 x28	186⅔	114	1¾x 6	3½	11	3¼x 6	6½	56	4½x10	15	44
20 x30	200	116	1¾x 8	4⅔	17	3¼x 8	8⅔	56	4½x11	16½	47
21 x24	168	120	1¾x10	5⅚	22	3¼x10	10⅞	56	4½x12	18	52
22 x25	183⅓	116	1¾x12	7	25	3¼x12	13	56	4½x13	19½	57
22 x30	220	118	1¾x14	8⅙	30	3¼x14	15⅙	57	4½x14	21	59
24 x24	192	113	1¾x16	9⅓	84	3¼x16	17⅓	57	4½x15	22½	61
24 x27	216	120	1¾x18	10½	30	3¼x18	19½	57	4½x16	24	55
24 x30	240	115	1¾x20	11⅔	42	3¼x20	21⅔	57	4¾x 6	9½	74
25 x26	216⅔	116	1¾x22	12⅚	47	3¼x24	26	206	4¾x 8	12⅔	74

See explanation page 159.

4 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.
4¾x12	19	74	8½x 9	25½	71
4¾x14	22⅛	75	8½x10	28⅓	71
4¾x16	25⅓	75	8½x12	34	208
5¼x 6	10½	30	8¾x12	35	86
5¼x 8	14	50	9¼x12	37	208
5¼x10	17½	61	9½x10	31⅔	75
5¼x12	21	59	9½x12	38	208
5¼x14	24½	86	9⅞x12	39	208
5¼x16	28	93	10¼x12	41	210
5½x 6	11	46	10½x12	42	99
5½x 7	12⅞	47	10½x14	49	210
5½x 8	14⅔	47	10½x15	52½	123
5½x 9	16½	47	10⅝x12	43	210
5½x10	18⅓	47	11¼x12	45	103
5½x12	22	54	11¼x14	52½	123
5½x14	25⅔	88	11½x12	46	210
5½x16	29⅓	68	11⅝x12	47	210
5¾x 6	11½	89	12½x14	58⅓	101
5¾x 8	15⅓	89	13½x14	63	123
5¾x10	19⅙	89	15 x15	75	105
5¾x12	23	89	16 x16	85⅓	111
5¾x14	26⅔	90	16 x18	96	110
5¾x16	30⅔	90	16 x20	106⅔	112
6¼x 6	12½	60			
6¼x 8	16⅔	45			
6¼x12	25	61			
6½x 7	15⅙	57			
6½x 8	17⅓	57			
6½x 9	19½	57			
6½x10	21⅔	57			
6½x12	26	206			
6⅔x 8	18	52			
6¾x10	22½	61			
6¾x12	27	73			
6¾x14	31½	86			
6¾x16	36	95			
6⅞x20	45	103			
7¼x12	29	206			
7⅓x 8	20	53			
7½x 9	22½	61			
7½x10	25	61			
7½x12	30	80			
7½x14	35	86			
7½x16	40	83			
7½x18	45	103			
7½x20	50	84			
7⅔x22	55	104			
7⅔x24	60	98			
7¾x12	31	208			
8¼x12	33	88			

5 Feet.

1 x 2	⅝	5
1 x 4	1⅝	6
1 x 6	2½	9
1 x 8	3⅓	8
1 x10	4⅛	21
1 x12	5	14
1 x14	5⅝	22
2 x 2	1⅝	6
2 x 3	2½	9
2 x 4	3⅓	8
2 x 5	4⅛	21
2 x 6	5	14
2 x 7	5⅝	22
2 x 8	6⅔	20
2 x 9	7½	22
2 x10	8⅓	22
2 x11	9⅛	46
2 x12	10	28
2 x13	10⅝	56
2 x14	11⅔	42
2 x15	12½	60
2 x16	13⅓	37
2 x17	14⅛	70
2 x18	15	44
2 x19	15⅝	74

5 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.
2 x20	16⅔	45	5 x12	25	61
2 x21	17½	61	5 x16	33⅓	81
2 x22	18⅓	47	5 x24	50	84
2 x23	19⅙	89	5 x26	54⅛	
2 x24	20	53	5 x28	58⅓	101
3 x 4	5	14	5 x30	62½	
3 x 6	7½	22	6 x 6	15	44
3 x 8	10	28	6 x 7	17½	61
3 x10	12½	60	6 x 8	20	53
3 x12	15	44	6 x 9	22½	61
3 x14	17½	61	6 x10	25	61
3 x16	20	53	6 x12	30	80
3 x18	22½	61	6 x14	35	86
3 x20	25	61	6 x16	40	83
3 x24	30	80	6 x18	45	103
4 x 4	6⅔	20	6 x20	50	84
4 x 4½	7½	22	6 x22	55	104
4 x 5	8⅓	22	6 x24	60	98
4 x 5½	9⅙	46	6 x26	65	104
4 x 6	10	28	6 x28	70	101
4 x 6½	10⅝	56	6 x30	75	105
4 x 7	11⅔	42	7 x 8	23⅓	78
4 x 7½	12½	60	7 x12	35	86
4 x 8	13⅓	37	7 x16	46⅔	84
4 x 8½	14⅛	70	7 x18	52½	123
4 x 9	15	44	7 x20	58⅓	101
4 x 9½	15⅝	74	7 x22	64⅛	101
4 x10	16⅔	45	7 x24	70	101
4 x10½	17½	61	7 x28	81⅔	102
4 x11	18⅓	47	7 x30	87½	102
4 x11½	19⅙	89	8 x 8	26⅔	67
4 x12	20	53	8 x 8½	28⅓	71
4 x13	21⅔	57	8 x 9	30	80
4 x13½	22½	61	8 x 9½	31⅔	75
4 x14	23⅓	78	8 x10	33⅓	81
4 x15	25	61	8 x10½	35	86
4 x16	26⅔	67	8 x11	36⅔	82
4 x17	28⅓	71	8 x12	40	83
4 x18	30	80	8 x13	43⅓	83
4 x19	31⅔	75	8 x13½	45	103
4 x20	33⅓	81	8 x14	46⅔	84
4 x21	35	86	8 x15	50	84
4 x22	36⅔	82	8 x18	60	98
4 x23	38⅓	90	8 x21	70	101
4 x24	40	83	8 x24	80	109
4 x26	43⅓	83	8 x27	90	108
4 x27	45	103	8 x28	93⅓	113
4 x28	46⅔	84	8 x30	100	115
5 x 6	12½	60	9 x12	45	103
5 x 8	16⅔	45	9 x14	52½	123

See explanation page 159.

5 ft.
6 ft.
7 & 8 ft.
9 ft.
10 ft.
11 & 12 ft.
13 & 14 ft.
15 & 16 ft.
17 ft.
18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 In.
2 to 3 In.
3 to 4 In.
4 to 5 In.
5 to 6 In.
6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In.
11 to 12 In.
Log Scales.

5 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.
9 x16	60	98	24 x25	250	117
9 x20	75	105	24 x26	260	119
9 x24	90	108	24 x28	280	119
9 x28	105	123	24 x30	300	117
10 x12	50	84	1¼x 8	4⅙	21
10 x14	58⅓	101	1¼x16	8⅓	22
10 x18	75	105	1¼x24	12½	60
10 x21	87½	102	1½x 4	2½	9
10 x24	100	115	1½x 8	5	14
10 x28	116⅔	115	1½x12	7½	22
11 x12	55	104	1½x16	10	28
11 x14	64⅛	101	1½x20	12½	60
11 x28	128⅓	123	1½x24	15	44
12 x12	60	98	1½x28	17½	61
12 x13	65	104	1¼x32	20	53
12 x14	70	101	2¼x 8	7½	22
12 x15	75	105	2¼x16	15	44
12 x16	80	109	2½x 4	4⅙	21
12 x17	85	218	2½x 8	8⅓	22
12 x18	90	108	2½x12	12½	60
12 x19	95	220	2¼x16	16⅔	45
12 x20	100	115	2½x24	25	61
12 x21	105	123	2⅞x 8	9⅙	46
12 x24	120	110	3¼x 8	10⅝	56
12 x28	140	118	3¼x16	21⅔	57
12 x30	150	116	3¼x32	43⅓	83
14 x14	81⅔	102	3½x 4	5⅚	22
14 x15	87½	102	3½x 8	11⅔	42
15 x16	100	115	3½x12	17½	61
15 x24	150	116	3½x16	23⅓	78
16 x16	106⅔	112	3½x24	35	86
16 x18	120	110	4¼x 8	14⅙	70
16 x21	140	118	4¼x16	28⅓	71
16 x22	146⅔	114	4½x 8	15	44
16 x24	160	111	4½x12	22½	61
16 x25	166⅔	116	4½x16	30	80
16 x26	173⅓	114	4½x24	45	103
16 x27	180	118	4½x28	52½	123
16 x28	186⅔	114	4½x32	60	98
16 x30	200	116	5¼x 8	17½	61
18 x20	150	116	5¼x16	35	86
18 x24	180	118	5½x 8	18⅓	47
20 x20	166⅔	116	5½x16	36⅔	82
20 x22	183⅓	116	5½x24	55	104
20 x24	200	116	5¾x 8	19⅙	89
20 x26	216⅔	116	5¾x16	38⅓	90
20 x28	233⅓	117	6½x 8	21⅔	57
20 x30	250	117	6¾x 8	22½	61
22 x24	220	118	7½x 8	25	61
24 x24	240	115			

6 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.
1 x 1	½	5	2 x18	18	52
1 x 2	1	5	2 x19	19	74
1 x 3	1½	6	2 x20	20	53
1 x 4	2	7	2 x21	21	59
1 x 5	2½	9	2 x22	22	54
1 x 6	3	10	2 x24	24	55
1 x 7	3½	11	3 x 3	4½	13
1 x 8	4	12	3 x 4	6	19
1 x 9	4½	13	3 x 5	7½	22
1 x10	5	14	3 x 6	9	27
1 x11	5½	46	3 x 7	10½	30
1 x12	6	19	3 x 8	12	36
1 x13	6½	56	3 x 9	13½	39
1 x14	7	25	3 x10	15	44
1 x15	7½	22	3 x11	16½	47
1 x16	8	26	3 x12	18	52
1 x17	8½	70	3 x13	19½	57
1 x18	9	27	3 x14	21	59
1 x19	9½	74	3 x15	22½	61
1 x20	10	28	3 x16	24	55
1 x21	10½	30	3 x17	25½	71
1 x22	11	46	3 x18	27	73
1 x23	11½	89	3 x19	28½	75
1 x24	12	36	3 x20	30	80
2 x 2	2	7	3 x21	31½	86
2 x 2½	2½	9	3 x22	33	88
2 x 3	3	10	3 x23	34½	90
2 x 3½	3½	11	3 x24	36	95
2 x 4	4	12	3 x26	39	208
2 x 4½	4½	13	3 x28	42	99
2 x 5	5	14	3 x30	45	103
2 x 5½	5½	46	4 x 4	8	26
2 x 6	6	19	4 x 4¼	8½	70
2 x 6½	6½	56	4 x 4½	9	27
2 x 7	7	25	4 x 4¾	9½	74
2 x 7½	7½	22	4 x 5	10	28
2 x 8	8	26	4 x 5¼	10½	30
2 x 8½	8½	70	4 x 5½	11	46
2 x 9	9	27	4 x 5¾	11½	89
2 x 9½	9½	74	4 x 6	12	36
2 x10	10	28	4 x 6¼	12½	60
2 x10½	10½	30	4 x 6½	13	56
2 x11	11	46	4 x 6¾	13½	39
2 x11½	11½	89	4 x 7	14	50
2 x12	12	36	4 x 7½	15	44
2 x13	13	56	4 x 8	16	51
2 x14	14	50	4 x 8¼	16½	47
2 x15	15	44	4 x 8½	17	70
2 x16	16	51	4 x 8¾	17½	61
2 x17	17	70	4 x 9	18	52

See explanation page 159.

6 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
4 x 9½	19	74	6 x 7½	22½	61	8 x 9	36	95	10 x15	75	105
4 x 9¾	19½	57	6 x 8	24	55	8 x 9¼	37	208	10 x16	80	109
4 x10	20	53	6 x 8½	25½	71	8 x 9½	38	208	10 x17	85	218
4 x10½	21	59	6 x 9	27	73	8 x 9¾	39	208	10 x18	90	108
4 x11	22	54	6 x 9½	28½	75	8 x10	40	83	10 x19	95	220
4 x11¼	22½	61	6 x10	30	80	8 x10¼	41	210	10 x20	100	115
4 x11½	23	89	6 x10½	31½	86	8 x10½	42	99	10 x21	105	123
4 x12	24	55	6 x11	33	88	8 x10¾	43	210	10 x24	120	110
4 x12¼	24½	86	6 x11½	34½	90	8 x11	44	96	10 x28	140	118
4 x12½	25	61	6 x12	36	95	8 x11¼	45	103	10 x30	150	116
4 x12¾	25½	71	6 x13	39	208	8 x11½	46	210	11 x12	66	107
4 x13	26	206	6 x14	42	99	8 x11¾	47	210	11 x14	77	216
4 x13½	27	73	6 x15	45	103	8 x12	48	97	11 x16	88	109
4 x14	28	93	6 x16	48	97	8 x12¼	49	210	11 x18	99	220
4 x14¼	28½	75	6 x17	51	212	8 x12½	50	84	12 x12	72	107
4 x14½	29	206	6 x18	54	106	8 x12¾	51	212	12 x12½	75	105
4 x15	30	80	6 x19	57	212	8 x13	52	97	12 x13	78	107
4 x16	32	69	6 x20	60	98	8 x13¼	53	212	12 x13½	81	218
4 x17	34	208	6 x21	63	123	8 x13½	54	106	12 x14	84	108
4 x18	36	95	6 x22	66	107	8 x13¾	55	104	12 x14½	87	218
4 x19	38	208	6 x23	69	214	8 x14	56	98	12 x15	90	108
4 x20	40	83	6 x24	72	107	8 x15	60	98	12 x16	96	110
4 x21	42	99	6 x25	75	105	8 x16	64	109	12 x20	120	110
4 x22	44	96	6 x26	78	107	8 x17	68	214	12 x21	126	123
4 x23	46	210	6 x27	81	218	8 x18	72	107	12 x24	144	110
4 x24	48	97	6 x28	84	108	8 x19	76	216	12 x25	150	116
4 x25	50	84	6 x29	87	218	8 x20	80	109	12 x28	168	120
4 x26	52	97	6 x30	90	108	8 x21	84	108	12 x30	180	118
4 x27	54	106	7 x 7	24½	86	8 x22	88	109	13 x14	91	220
4 x28	56	98	7 x 8	28	93	8 x23	92	220	14 x14	98	220
4 x29	58	212	7 x 9	31½	86	8 x24	96	110	14 x15	105	123
5 x 5	12½	60	7 x10	35	86	8 x25	100	115	14 x20	140	118
5 x 6	15	44	7 x12	42	99	8 x26	104	110	14 x24	168	120
5 x 7	17½	61	7 x14	49	210	8 x28	112	110	15 x16	120	110
5 x 8	20	53	7 x15	52½	123	8 x30	120	110	15 x20	150	116
5 x 9	22½	61	7 x16	56	98	9 x10	45	103	15 x24	180	118
5 x10	25	61	7 x18	63	123	9 x12	54	106	1¼x 4	2½	9
5 x12	30	80	7 x20	70	101	9 x14	63	123	1¼x 8	5	14
5 x14	35	86	7 x21	73½	123	9 x16	72	107	1¼x12	7½	22
5 x16	40	83	7 x22	77	216	9 x18	81	218	1¼x16	10	28
5 x18	45	103	7 x24	84	108	9 x20	90	108	1¼x20	12½	60
5 x20	50	84	7 x25	87½	102	9 x21	94½	123	1¼x24	15	44
5 x22	55	104	7 x26	91	220	9 x22	99	220	1½x 2	1½	6
5 x24	60	98	7 x27	94½	123	9 x28	126	123	1½x 4	3	10
5 x26	65	104	7 x28	98	220	10 x10	50	84	1½x 6	4½	13
5 x28	70	101	7 x30	105	123	10 x10½	52½	123	1½x 8	6	19
5 x30	75	105	8 x 8	32	69	10 x11	55	104	1½x10	7½	22
6 x 6	18	52	8 x 8¼	33	88	10 x12	60	98	1½x12	9	27
6 x 6½	19½	57	8 x 8½	34	208	10 x13	65	104	1½x14	10½	30
6 x 7	21	59	8 x 8¾	35	86	10 x14	70	101	1½x16	12	36

See explanation page 159.

6 ft.

7 & 8 ft.

9 ft.

10 ft.

11 & 12 ft.

13 & 14 ft.

15 & 16 ft.

17 ft.

18 ft.

19 & 20 ft.

21 ft.

22 to 28 ft.

29 to 36 ft.

37 to 48 ft.

Rules.
Parts of in.
End Meas't.
Key.
Meas'ment

1 to 2 in.

2 to 3 in.

3 to 4 in.

4 to 5 in.

5 to 6 in.

6 to 7 in.

7 to 8 in.

8 to 9 in.

9 to 10 in.

10 to 11 in.

11 to 12 in.

Log Scales.

6 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.
1½x18	13½	39	4½x10	22½	61
1½x20	15	44	4½x12	27	73
1½x22	16½	47	4½x14	31½	86
1½x24	18	52	4½x16	36	95
1¾x 4	3½	11	4½x20	45	103
1¾x 8	7	25	4½x24	54	106
1¾x12	10½	30	4¾x 8	19	74
1¾x16	14	50	4¾x12	28½	75
1¾x20	17½	61	4¾x16	38	208
2¼x 4	4½	13	4¾x24	57	212
2¼x 8	9	27	5¼x 8	21	59
2¼x12	13½	39	5¼x12	31½	86
2¼x16	18	52	5¼x16	42	99
2½x 4	5	14	5¼x24	63	123
2½x 6	7½	22	5½x 6	16½	47
2½x 8	10	28	5½x 8	22	54
2½x10	12½	60	5½x12	33	88
2½x12	15	44	5½x16	44	96
2¼x14	17½	61	5½x20	55	104
2¾x16	20	53	5¾x 8	23	89
2¼x18	22½	61	5¾x12	34½	90
2½x20	25	61	5¾x16	46	210
2½x24	30	80	5¾x24	69	214
2¾x 4	5½	46	6¼x 8	25	61
2¾x 8	11	46	6¼x16	50	84
2¾x12	16½	47	6¼x32	100	115
2¾x16	22	54	6½x 8	26	206
3¼x 4	6½	56	6½x12	39	208
3¼x 8	13	56	6½x16	52	97
3¼x12	19½	57	6½x24	78	107
3¼x16	26	206	6¾x 8	27	73
3½x 4	7	25	6¾x16	54	106
3½x 6	10½	30	7¼x 8	29	206
3½x 8	14	50	7¼x16	58	212
3½x10	17½	61	7½x 6	22½	61
3½x12	21	59	7½x 8	30	80
3½x14	24½	86	7½x12	45	103
3½x16	28	93	7½x14	52½	123
3½x18	31½	86	7½x16	60	98
3½x20	35	86	7¾x 8	31	208
3½x24	42	99	7¾x16	62	214
3¾x 4	7½	22	8½x12	51	212
3¾x 8	15	44	8¾x12	52½	123
3¾x12	22½	61	9½x12	57	212
3¾x16	30	80	10½x14	73½	123
4¼x 8	17	70	11½x12	69	214
4¼x12	25½	71	12½x14	87½	102
4¼x16	34	208	13½x14	94½	123
4½x 6	13½	39			
4½x 8	18	52			

7 Feet in Length.

Size.	Feet.	Page	Size.	Feet.	Page.
1 x 2	1⅛	6	4 x 6½	15⅛	57
1 x 4	2⅓	8	4 x 7	16⅓	59
1 x 6	3½	11	4 x 7½	17½	61
1 x 8	4⅔	17	4 x 8	18⅔	64
1 x10	5⅞	22	4 x 9	21	59
1 x12	7	25	4 x 9½	22⅛	75
1 x14	8⅛	30	4 x10	23⅓	78
1 x16	9⅓	34	4 x10½	24½	86
1 x18	10½	30	4 x11	25⅔	88
1 x20	11⅔	42	4 x11½	26⅞	90
1 x22	12⅞	47	4 x12	28	93
1 x24	14	50	4 x13½	31½	86
2 x 2	2⅓	8	4 x14	32⅔	99
2 x 3	3½	11	4 x15	35	86
2 x 4	4⅔	17	4 x16	37⅓	99
2 x 5	5⅞	22	4 x18	42	99
2 x 6	7	25	4 x20	46⅔	84
2 x 7	8⅛	30	4 x21	49	210
2 x 8	9⅓	34	4 x22	51⅓	100
2 x 9	10½	30	4 x24	56	98
2 x10	11⅔	42	4 x25	58⅓	101
2 x11	12⅞	47	4 x26	60⅔	100
2 x12	14	50	4 x27	63	123
2 x13	15⅛	57	4 x28	65⅓	100
2 x14	16⅓	59	4 x30	70	101
2 x15	17½	61	5 x 6	17½	61
2 x16	18⅔	64	5 x 8	23⅓	78
2 x17	19⅝	71	5 x12	35	86
2 x18	21	59	5 x16	46⅔	84
2 x19	22⅛	75	5 x18	52½	123
2 x20	23⅓	78	5 x20	58⅓	101
2 x21	24½	86	5 x24	70	101
2 x22	25⅔	88	5 x26	75⅝	102
2 x23	26⅞	90	5 x30	87½	102
2 x24	28	93	6 x 6	21	59
3 x 4	7	25	6 x 7	24½	86
3 x 6	10½	30	6 x 8	28	93
3 x 8	14	50	6 x 9	31½	86
3 x10	17½	61	6 x10	35	86
3 x12	21	59	6 x12	42	99
3 x14	24½	86	6 x14	49	210
3 x16	28	93	6 x15	52½	123
3 x18	31½	86	6 x16	56	98
3 x20	35	86	6 x18	63	123
3 x24	42	99	6 x20	70	101
4 x 4	9⅓	34	6 x21	73½	123
4 x 4½	10½	30	6 x22	77	216
4 x 5	11⅔	42	6 x24	84	108
4 x 5½	12⅞	47	6 x25	87½	102
4 x 6	14	50	6 x26	91	220

See explanation page 159.

7 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
6 x27	94½	123	10 x22	128⅓	123	4¼x24	63	123
6 x28	98	220	10 x23	134⅙	123	4⅜x 8	22⅛	75
6 x30	105	123	10 x24	140	118	5¼x 8	24½	86
6 x32	112	110	11 x12	77	216	5¼x16	49	210
7 x 8	32⅜	99	11 x20	128⅓	123	5⅜x 8	25⅝	88
7 x12	49	210	12 x12	84	108	5⅜x 8	26⅝	90
7 x16	65⅓	100	12 x13	91	220	6¾x 8	31½	86
7 x18	73½	123	12 x13⅓	94½	123	7⅓x 8	35	86
7 x20	81⅔	102	12 x14	98	220	7½x12	52½	123
7 x24	98	220	12 x15	105	123	7⅓x16	70	101
7 x30	122½	123	12 x16	112	110	7½x24	105	123
8 x 8	37⅓	99	12 x18	126	123	10½x12	73½	123
8 x 9	42	99	12 x20	140	118			
8 x10	46⅔	84	12 x24	168	120			
8 x10½	49	210	15 x16	140	118			
8 x11	51⅓	100	16 x16	149⅓	112			
8 x11¼	52½	123	16 x18	168	120			
8 x12	56	98	16 x20	186⅔	114			
8 x13	60⅔	100	16 x25	233⅓	117			
8 x13½	63	123	16 x30	280	119			
8 x13¾	64⅛	101	20 x24	280	119			
8 x14	65⅓	100	24 x24	336	121			
8 x15	70	101	1¼x 8	5⅝	22			
8 x16	74⅔	111	1¼x16	11⅔	42			
8 x18	84	108	1¼x24	17½	61			
8 x20	93⅓	113	1½x 4	3½	11			
8 x21	98	220	1½x 8	7	25			
8 x24	112	110	1½x12	10½	30			
8 x25	116⅔	115	1½x16	14	50			
8 x27	126	123	1¾x 8	8⅛	30			
8 x30	140	118	1¾x16	16⅓	59			
9 x10	52½	123	1¾x24	24½	86			
9 x12	63	123	2¼x 8	10½	30			
9 x14	73½	123	2¼x16	21	59			
9 x16	84	108	2½x 4	5⅝	22			
9 x18	94½	123	2½x 8	11⅔	42			
9 x20	105	123	2⅔x12	17½	61			
9 x22	115½	123	2½x16	23⅓	78			
9 x24	126	123	2⅞x 8	12⅞	47			
10 x10	58⅓	101	3¼x 8	15⅛	57			
10 x11	64⅛	101	3½x 4	8⅛	30			
10 x12	70	101	3½x 8	16⅓	59			
10 x13	75⅝	102	3½x12	24½	86			
10 x14	81⅔	102	3½x16	32⅔	99			
10 x15	87½	102	3⅔x 8	17½	61			
10 x16	93⅓	113	3⅔x16	35	86			
10 x18	105	123	4¼x 8	19⅝	71			
10 x19	110⅝	123	4½x 8	21	59			
10 x20	116⅔	115	4½x12	31½	86			
10 x21	122½	123	4½x16	42	99			

8 Feet.

1 x 1	⅔	5
1 x 1⅛	⅝	5
1 x 1½	1	5
1 x 1⅔	1⅛	6
1 x 1¾	1⅛	6
1 x 2	1⅓	6
1 x 2¼	1½	6
1 x 2½	1⅔	6
1 x 3	2	7
1 x 3½	2⅓	8
1 x 3¾	2½	9
1 x 4	2⅔	8
1 x 4½	3	10
1 x 5	3⅓	8
1 x 5¼	3½	11
1 x 6	4	12
1 x 6¼	4⅙	21
1 x 6¾	4½	13
1 x 7	4⅔	17
1 x 7½	5	14
1 x 8	5⅓	18
1 x 8¼	5½	46
1 x 8¾	5⅝	22
1 x 9	6	19
1 x 9¾	6½	56
1 x10	6⅔	20
1 x10½	7	25
1 x11	7⅓	46
1 x11¼	7½	22
1 x12	8	26
1 x12¼	8⅙	30
1 x12½	8⅓	22
1 x12¾	8½	70
1 x13	8⅔	56
1 x13½	9	27
1 x13¾	9⅙	46
1 x14	9⅓	34

8 Feet in Length.

Size.	Feet.	Page
1 x14¼	9½	74
1 x15	10	28
1 x16	10⅔	35
1 x16½	11	46
1 x17	11⅓	70
1 x17½	11⅔	42
1 x18	12	36
1 x19½	13	56
1 x20	13⅓	37
1 x21	14	50
1 x22	14⅔	47
1 x22½	15	44
1 x23	15⅓	89
1 x24	16	51
2 x 2	2⅔	8
2 x 2¼	3	10
2 x 2½	3⅓	8
2 x 3	4	12
2 x 3½	4⅔	17
2 x 3¾	5	14
2 x 4	5⅓	18
2 x 4½	6	19
2 x 5	6⅔	20
2 x 5¼	7	25
2 x 5½	7⅓	46
2 x 6	8	26
2 x 6¼	8⅓	22
2 x 6½	8⅔	56
2 x 6¾	9	27
2 x 7	9⅓	34
2 x 7½	10	28
2 x 8	10⅔	35
2 x 8¼	11	46
2 x 8½	11⅓	70
2 x 8¾	11⅔	42
2 x 9	12	36
2 x 9½	12⅔	74
2 x 9¾	13	56
2 x10	13⅓	37
2 x10½	14	50
2 x11	14⅔	47
2 x11¼	15	44
2 x11½	15⅓	89
2 x12	16	51
2 x12¼	16⅓	59
2 x12½	16⅔	45
2 x12¾	17	70
2 x13	17⅓	57
2 x13½	18	52
2 x13¾	18⅓	47

7 & 8 ft.
9 ft.
10 ft.
11 & 12 ft.
13 & 14 ft.
15 & 16 ft.
17 ft.
18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of in.
End Meas't.
Key.
Meas'ment
1 to 2 in.
2 to 3 in.
3 to 4 in.
4 to 5 in.
5 to 6 in.
6 to 7 in.
7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

See explanation page 159.

8 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x14	18⅜	64	3 x12	24	55	4 x 8½	22⅝	71	5 x28	93⅛	113
2 x14¼	19	74	3 x12¼	24½	86	4 x 8¾	23⅓	78	5 x30	100	115
2 x15	20	53	3 x12½	25	61	4 x 9	24	55	6 x 6	24	55
2 x16	21⅓	65	3 x12¾	25½	71	4 x 9½	25⅓	75	6 x 6¼	25	61
2 x16½	22	54	3 x13	26	206	4 x 9¾	26	206	6 x 6½	26	206
2 x17	22⅝	71	3 x13½	27	73	4 x10	26⅔	67	6 x 6¾	27	73
2 x17½	23⅓	78	3 x14	28	93	4 x10½	28	93	6 x 7	28	93
2 x18	24	55	3 x14¼	28½	75	4 x11	29⅓	68	6 x 7¼	29	206
2 x19	25⅓	75	3 x14½	29	206	4 x11¼	30	80	6 x 7½	30	80
2 x19½	26	206	3 x15	30	80	4 x11½	30⅝	90	6 x 7¾	31	208
2 x20	26⅔	67	3 x15½	31	208	4 x12	32	69	6 x 8	32	69
2 x21	28	93	3 x16	32	69	4 x12¼	32⅝	99	6 x 8¼	33	88
2 x22	29⅓	68	3 x16½	33	88	4 x12½	33⅓	81	6 x 8½	34	208
2 x22½	30	80	3 x17	34	208	4 x12¾	34	208	6 x 8¾	35	86
2 x23	30⅝	90	3 x17½	35	86	4 x13½	36	95	6 x 9	36	95
2 x24	32	69	3 x18	36	95	4 x13¾	36⅝	82	6 x 9¼	37	208
2 x25	33⅓	81	3 x18½	37	208	4 x14	37⅓	99	6 x 9½	38	208
2 x27	36	95	3 x19	38	208	4 x14¼	38	208	6 x 9¾	39	208
2 x28	37⅓	99	3 x19½	39	208	4 x15	40	83	6 x10	40	83
2 x30	40	83	3 x20	40	83	4 x18	48	97	6 x10¼	41	210
3 x 3	6	19	3 x20½	41	210	4 x21	56	98	6 x10½	42	99
3 x 3¼	6½	56	3 x21	42	99	4 x24	64	109	6 x10¾	43	210
3 x 3½	7	25	3 x21½	43	210	4 x27	72	107	6 x11	44	96
3 x 3¾	7½	22	3 x22	44	96	4 x30	80	109	6 x11¼	45	103
3 x 4	8	26	3 x22½	45	103	5 x 5	16⅔	45	6 x11½	46	210
3 x 4¼	8½	70	3 x23	46	210	5 x 5¼	17½	61	6 x11¾	47	210
3 x 4½	9	27	3 x23½	47	210	5 x 5½	18⅓	47	6 x12	48	97
3 x 4¾	9½	74	3 x24	48	97	5 x 5¾	19⅛	89	6 x12¼	49	210
3 x 5	10	28	3 x25	50	84	5 x 6	20	53	6 x12½	50	84
3 x 5¼	10½	30	3 x26	52	97	5 x 6½	21⅝	57	6 x12¾	51	212
3 x 5½	11	46	3 x27	54	106	5 x 6¾	22½	61	6 x13	52	97
3 x 5¾	11½	89	3 x28	56	98	5 x 7	23⅓	78	6 x13½	54	106
3 x 6	12	36	3 x29	58	212	5 x 7½	25	61	6 x14	56	98
3 x 6¼	12½	60	3 x30	60	98	5 x 8	26⅔	67	6 x14½	58	212
3 x 6½	13	56	4 x 4	10⅔	35	5 x 8½	28⅓	71	6 x15	60	98
3 x 6¾	13½	39	4 x 4¼	11⅓	70	5 x 9	30	80	6 x15½	62	214
3 x 7	14	50	4 x 4½	12	36	5 x 9½	31⅔	75	6 x16	64	109
3 x 7½	15	44	4 x 4¾	12⅔	74	5 x10	33⅓	81	6 x16½	66	107
3 x 8	16	51	4 x 5	13⅓	37	5 x10½	35	86	6 x17	68	214
3 x 8¼	16½	47	4 x 5¼	14	50	5 x11	36⅔	82	6 x17½	70	101
3 x 8½	17	70	4 x 5½	14⅔	47	5 x11½	38⅓	90	6 x18	72	107
3 x 8¾	17½	61	4 x 5¾	15⅓	89	5 x12	40	83	6 x19	76	216
3 x 9	18	52	4 x 6	16	51	5 x13	43⅓	83	6 x20	80	109
3 x 9½	19	74	4 x 6¼	16⅔	45	5 x13½	45	103	6 x21	84	108
3 x 9¾	19½	57	4 x 6½	17⅓	57	5 x14	46⅔	84	6 x22	88	109
3 x10	20	53	4 x 6¾	18	52	5 x15	50	84	6 x23	92	220
3 x10½	21	59	4 x 7	18⅔	64	5 x18	60	98	6 x24	96	110
3 x11	22	54	4 x 7½	20	53	5 x21	70	101	6 x25	100	115
3 x11¼	22½	61	4 x 8	21⅓	65	5 x24	80	109	6 x26	104	110
3 x11½	23	89	4 x 8¼	22	54	5 x27	90	108	6 x28	112	110

See explanation page 159.

8 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
7 x 7	32⅔	99	9 x11	66	107	12 x17	136	110	1¼x 5	4⅙	21
7 x 7½	35	86	9 x11½	69	214	12 x18	144	110	1¼x 6	5	14
7 x 8	37⅓	99	9 x12	72	107	12 x19	152	111	1¼x 7	5⅝	22
7 x 9	42	99	9 x12¼	73½	123	12 x20	160	111	1¼x 8	6⅔	20
7 x10	46⅔	84	9 x12½	75	105	12 x21	168	120	1¼x 9	7½	22
7 x10½	49	210	9 x13	78	107	12 x24	192	113	1¼x10	8⅓	22
7 x11	51⅓	100	9 x13½	81	218	12 x25	200	116	1¼x11	9⅙	46
7 x11¼	52½	123	9 x14	84	108	12 x30	240	115	1¼x12	10	28
7 x12	56	98	9 x14½	87	218	13 x16	138⅔	112	1¼x13	10⅝	56
7 x12½	58⅓	101	9 x15	90	108	13 x20	173⅓	114	1¼x14	11⅔	42
7 x13	60⅔	100	9 x15½	93	220	14 x16	149⅓	112	1¼x15	12½	60
7 x13½	63	123	9 x16	96	110	14 x18	168	120	1¼x16	13⅓	37
7 x13¾	64⅙	101	9 x16½	99	220	14 x20	186⅔	114	1¼x17	14⅙	70
7 x14	65⅓	100	9 x20	120	110	14 x30	280	119	1¼x18	15	44
7 x15	70	101	9 x21	126	123	15 x15	150	116	1¼x19	15⅞	74
7 x16	74⅔	111	9 x24	144	110	15 x16	160	111	1¼x20	16⅔	45
7 x18	84	108	9 x25	150	116	15 x18	180	118	1¼x21	17½	61
7 x20	93⅓	113	9 x28	168	120	15 x20	200	116	1¼x22	18⅓	47
7 x21	98	220	9 x30	180	118	15 x22	220	118	1¼x23	19⅙	89
7 x24	112	110	10 x10½	70	101	15 x24	240	115	1¼x24	20	53
7 x25	116⅔	115	10 x11¼	75	105	15 x25	250	117	1¼x26	21⅔	57
7 x27	126	123	10 x12	80	109	15 x26	260	119	1¼x27	22½	61
7 x30	140	118	10 x12¼	81⅔	102	15 x28	280	119	1¼x28	23⅓	78
8 x 8¼	44	96	10 x12¾	85	218	15 x30	300	117	1¼x30	25	61
8 x 8¾	46⅔	84	10 x13⅓	90	108	16 x16	170⅔	112	1½x 1½	1½	6
8 x 9	48	97	10 x14	93⅓	113	16 x17	181⅓	113	1½x 2	2	7
8 x 9¾	52	97	10 x14¼	95	220	16 x18	192	113	1½x 2½	2½	9
8 x10½	56	98	10 x15	100	115	16 x20	213⅓	113	1½x 3	3	10
8 x11¼	60	98	10 x16	106⅔	112	16 x30	320	119	1½x 3½	3½	11
8 x12	64	109	10 x18	120	110	17 x20	226⅔	115	1½x 4	4	12
8 x12¼	65⅓	100	10 x20	133⅓	116	18 x18	216	120	1½x 4½	4½	13
8 x12¾	68	214	10 x21	140	118	18 x20	240	115	1½x 5	5	14
8 x13½	72	107	10 x24	160	111	18 x22	264	121	1½x 5½	5½	46
8 x14	74⅔	111	10 x25	166⅔	116	18 x25	300	117	1½x 6	6	19
8 x14¼	76	216	10 x26	173⅓	114	18 x26	312	121	1½x 6½	6½	56
8 x15	80	109	10 x27	180	118	18 x28	336	121	1½x 7	7	25
8 x16	85⅓	111	10 x30	200	116	18 x30	360	121	1½x 7½	7½	22
8 x18	96	110	11 x12	88	109	19 x30	380	120	1½x 8	8	26
8 x21	112	110	11 x12¾	93⅓		20 x21	280	119	1½x 8½	8½	70
8 x22	117⅓	112	11 x13½	99	220	20 x24	320	119	1½x 9	9	27
8 x24	128	110	11 x20	146⅔	114	20 x25	333⅓	117	1½x 9½	9½	74
8 x25	133⅓	116	11 x25	183⅓	116	20 x27	360	121	1½x10	10	28
3 x26	138⅔	112	11 x30	220	118	20 x30	400	120	1½x10½	10½	30
8 x27	144	110	12 x12	96	110	21 x24	336	121	1½x11	11	46
8 x28	149⅓	112	12 x12¼	98	220	24 x25	400	120	1½x11½	11½	89
8 x30	160	111	12 x12½	100	115	24 x27	432	122	1½x12	12	36
9 x 9	54	106	12 x13	104	110	24 x30	480	122	1½x12½	12½	60
9 x 9½	57	212	12 x14	112	110	1¼x 2	1⅔	6	1½x13	13	56
9 x10	60	98	12 x15	120	110	1¼x 3	2½	9	1½x13½	13½	39
9 x10½	63	123	12 x16	128	110	1¼x 4	3⅓	8	1½x14	14	50

See explanation page 159.

9 ft.
10 ft.
11 & 12 ft.
13 & 14 ft.
15 & 16 ft.
17 ft.
18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 In.
2 to 3 In.
3 to 4 In.
4 to 5 In.
5 to 6 In.
6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In
11 to 12 In
Log Scales.

8 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet	Page	Size.	Feet.	Page.
1½x15	15	44	2¼x 9	13½	39	2⅜x 7	12⅝	47	3⅜x10	25	61
1½x16	16	51	2¼x10	15	44	2⅜x 8	14⅔	47	3⅜x12	30	80
1½x16½	16½	47	2¼x11	16½	47	2⅜x 9	16½	47	3⅜x14	35	86
1½x17	17	70	2¼x12	18	52	2⅜x10	18⅓	47	3⅜x16	40	83
1½x17½	17½	61	2¼x13	19½	57	2⅜x12	22	54	3⅜x18	45	103
1½x18	18	52	2¼x14	21	59	2⅜x14	25⅔	88	3⅜x20	50	84
1½x19	19	74	2¼x15	22½	61	2⅜x16	29⅓	68	3⅜x21	52½	123
1½x19½	19½	57	2¼x16	24	55	2⅜x18	33	88	3⅜x22	55	104
1½x20	20	53	2¼x17	25½	71	2⅜x20	36⅔	82	3⅜x24	60	98
1½x21	21	59	2¼x18	27	73	3¼x 4	8⅔	56	4¼x 5	14⅛	70
1½x22	22	54	2¼x19	28½	75	3¼x 5	10⅝	56	4¼x 6	17	70
1½x22½	22½	61	2¼x20	30	80	3¼x 6	13	56	4¼x 7	19⅝	71
1½x23	23	89	2¼x21	31½	86	3¼x 7	15⅛	57	4¼x 8	22⅜	71
1½x24	24	55	2¼x22	33	88	3¼x 8	17⅓	57	4¼x 9	25½	71
1½x24½	24½	86	2¼x23	34½	90	3¼x 9	19½	57	4¼x10	28⅓	71
1½x25	25	61	2¼x24	36	95	3¼x10	21⅜	57	4¼x12	34	208
1½x25½	25½	71	2¼x26	39	208	3¼x12	26	206	4¼x18	51	212
1½x26	26	206	2½x 2½	4⅛	21	3¼x18	39	208	4¼x24	68	214
1½x27	27	73	2½x 3	5	14	3½x 3½	8⅛	30	4½x 4½	13½	39
1½x28	28	93	2½x 3½	5⅝	22	3½x 4	9⅓	34	4½x 5	15	44
1½x29	29	206	2½x 4	6⅔	20	3½x 4½	10½	30	4½x 5½	16½	47
1½x30	30	80	2½x 4½	7½	22	3½x 5	11⅝	42	4½x 6	18	52
1⅝x 2	2⅓	8	2½x 5	8⅓	22	3½x 5½	12⅝	47	4½x 6½	19½	57
1⅝x 3	3½	11	2½x 5½	9⅛	46	3½x 6	14	50	4½x 7	21	59
1⅝x 4	4⅔	17	2½x 6	10	28	3½x 6½	15⅛	57	4½x 7½	22½	61
1⅝x 5	5⅝	22	2½x 6½	10⅝	56	3½x 7	16⅓	59	4½x 8	24	55
1⅝x 6	7	25	2½x 7	11⅔	42	3½x 7½	17½	61	4½x 8½	25½	71
1⅝x 7	8⅛	30	2½x 7½	12½	60	3½x 8	18⅔	64	4½x 9	27	73
1⅝x 8	9⅓	34	2½x 8	13⅓	37	3½x 8½	19⅝	71	4½x 9½	28½	75
1⅝x 9	10½	30	2½x 8½	14⅛	70	3½x 9	21	59	4½x10	30	80
1⅝x10	11⅔	42	2½x 9	15	44	3½x 9½	22⅛	75	4½x10½	31½	86
1⅝x11	12⅝	47	2½x 9½	15⅝	74	3½x10	23⅓	78	4½x11	33	88
1⅝x12	14	50	2½x10	16⅔	45	3½x10½	24½	86	4½x11½	34½	90
1⅝x13	15⅛	57	2½x10½	17½	61	3½x11	25⅔	88	4½x12	36	95
1⅝x14	16⅓	59	2½x11	18⅓	47	3½x11½	26⅝	90	4½x13	39	208
1⅝x15	17½	61	2½x11½	19⅛	89	3½x12	28	93	4½x14	42	99
1⅝x16	18⅔	64	2½x12	20	53	3½x13½	31½	86	4½x15	45	103
1⅝x17	19⅝	71	2½x13	21⅔	57	3½x14	32⅔	99	4½x16	48	97
1⅝x18	21	59	2½x13½	22½	61	3½x15	35	86	4½x17	51	212
1⅝x19	22⅛	75	2½x14	23⅓	78	3½x16	37⅓	99	4½x18	54	106
1⅝x20	23⅓	78	2½x15	25	61	3½x18	42	99	4½x19	57	212
1⅝x22	25⅔	88	2½x16	26⅔	67	3½x20	46⅔	84	4½x20	60	98
1⅝x23	26⅝	90	2½x17	28⅓	71	3½x22	51⅓	100	4½x21	63	123
1⅝x24	28	93	2½x18	30	80	3½x24	56	98	4½x22	66	107
2¼x 3	4½	13	2½x19	31⅔	75	3¾x 4	10	28	4½x23	69	214
2¼x 4	6	19	2½x20	33⅓	81	3¾x 5	12½	60	4½x24	72	107
2¼x 5	7½	22	2⅜x 3	5½	46	3¾x 6	15	44	4½x25	75	105
2¼x 6	9	27	2⅜x 4	7⅓	46	3¾x 7	17½	61	4½x26	78	107
2¼x 7	10½	30	2⅜x 5	9⅛	46	3¾x 8	20	53	4½x27	81	218
2¼x 8	12	36	2⅜x 6	11	46	3¾x 9	22½	61	4½x28	84	108

See explanation page 159.

8 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
4½x29	87	218	6¾x 8	36	95	10½x13	91	220
4½x30	90	108	6¾x10	45	103	10½x14	98	220
4¾x 5	15⅝	74	6¾x12	54	106	10½x15	105	123
4¾x 6	19	74	6¾x14	63	123	10¾x12	86	218
4¾x 7	22⅛	75	6¾x16	72	107	11¼x12	90	108
4¾x 8	25⅜	75	6¾x20	90	108	11½x14	105	123
4¾x 9	28½	75	6¾x28	126	123	11½x12	92	220
4¾x10	31⅝	75	7½x12	58	212	11⅝x12	94	220
4¾x12	38	208	7½x 8	40	83	12¼x15	122½	123
4¾x24	76	216	7½x 9	45	103	12½x14	116⅝	115
5¼x 6	21	59	7½x10	50	84	13½x14	126	123
5¼x 7	24½	86	7½x11	55	104	15 x15	150	116
5¼x 8	28	93	7½x12	60	98			
5¼x 9	31½	86	7½x13	65	104			
5¼x10	35	86	7½x14	70	101			
5¼x12	42	99	7½x15	75	105			
5¼x14	49	210	7½x16	80	109			
5¼x16	56	98	7½x17	85	218			
5¼x18	63	123	7½x18	90	108			
5¼x20	70	101	7½x19	95	220			
5¼x21	73½	123	7½x20	100	115			
5¼x22	77	216	7½x21	105	123			
5¼x24	84	108	7½x24	120	110			
5½x 6	22	54	7¾x12	62	214			
5½x 7	25⅝	88	8¼x10	55	104			
5½x 8	29⅓	68	8¼x12	66	107			
5½x 9	33	88	8¼x14	77	216			
5½x12	44	96	8¼x16	88	109			
5½x14	51⅓	100	8¼x18	99	220			
5½x15	55	104	8½x 9	51	212			
5½x18	66	107	8½x12	68	214			
5½x24	88	109	8½x15	85	218			
5¾x 6	23	89	8½x24	136	110			
5¾x 7	26⅞	90	8¾x10	58⅓	101			
5¾x 8	30⅔	90	8¾x12	70	101			
5¾x 9	34½	90	8¾x13	75⅝	102			
5¾x10	38⅓	90	8¾x14	81⅞	102			
5¾x12	46	210	8¾x15	87½	102			
6¼x 8	33⅓	81	8¾x24	140	118			
6¼x12	50	84	9¼x12	74	216			
6¼x14	58⅓	101	9½x12	76	216			
6¼x24	100	115	9½x15	95	220			
6¼x28	116⅔	115	9¾x10	65	104			
6½x 9	39	208	9¾x12	78	107			
6½x10	43⅓	83	9¾x14	91	220			
6½x12	52	97	10¼x12	82	218			
6½x15	65	104	10½x10½	73½	123			
6½x18	78	107	10½x11	77	216			
6½x24	104	110	10½x12	84	108			
6¾x 7	31½	86	10½x12½	87½	102			

9 Feet.

Size.	Feet.	Page.
1 x 2	1½	6
1 x 4	3	10
1 x 6	4½	13
1 x 8	6	19
1 x10	7½	22
1 x12	9	27
1 x14	10½	30
1 x16	12	36
1 x18	13½	39
1 x20	15	44
1 x22	16½	47
1 x24	18	52
2 x 2	3	10
2 x 3	4½	13
2 x 4	6	19
2 x 5	7½	22
2 x 6	9	27
2 x 7	10½	30
2 x 8	12	36
2 x 9	13½	39
2 x10	15	44
2 x11	16½	47
2 x12	18	52
2 x13	19½	57
2 x14	21	59
2 x15	22½	61
2 x16	24	55
2 x17	25½	71
2 x18	27	73
2 x19	28½	75
2 x20	30	80
2 x21	31½	86
2 x22	33	88
2 x23	34½	90
2 x24	36	95
2 x26	39	208

9 Feet in Length.

Size.	Feet.	Page.
2 x28	42	99
2 x30	45	103
2 x32	48	97
3 x 4	9	27
3 x 6	13½	39
3 x 8	18	52
3 x10	22½	61
3 x12	27	73
3 x14	31½	86
3 x16	36	95
3 x20	45	103
3 x24	54	106
3 x28	63	123
3 x32	72	107
4 x 4	12	36
4 x 4½	13½	39
4 x 5	15	44
4 x 5½	16½	47
4 x 6	18	52
4 x 6½	19½	57
4 x 7	21	59
4 x 7½	22½	61
4 x 8	24	55
4 x 8½	25½	71
4 x 9	27	73
4 x 9½	28½	75
4 x10	30	80
4 x10½	31½	86
4 x11	33	88
4 x11½	34½	90
4 x12	36	95
4 x13	39	208
4 x14	42	99
4 x15	45	103
4 x16	48	97
4 x17	51	212
4 x17½	52½	123
4 x18	54	106
4 x19	57	212
4 x20	60	98
4 x21	63	123
4 x22	66	107
4 x23	69	214
4 x24	72	107
4 x24½	73½	123
4 x25	75	105
4 x26	78	107
4 x27	81	218
4 x28	84	108
4 x29	87	218

See explanation page 159.

9 ft.
10 ft
11 & ´
13 & 14 ft.
15 & 16 ft.
17 ft.
18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of in.
End Meas't.
Key.
Meas'ment
1 to 2 in.
2 to 3 in.
3 to 4 in.
4 to 5 in.
5 to 6 in.
6 to 7 in.
7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

9 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
4 x30	90	108	8 x14	84	108	1½x24	27	73
4 x31	93	220	8 x14½	87	218	1½x28	31½	86
4 x32	96	110	8 x15	90	108	1½x32	36	95
5 x 6	22½	61	8 x15½	93	220	1⅝x 8	10½	30
5 x 8	30	80	8 x16	96	110	1⅝x16	21	59
5 x12	45	103	8 x16½	99	220	1⅝x24	31½	86
5 x14	52½	123	8 x20	120	110	1⅝x32	42	99
5 x16	60	98	8 x21	126	123	2¼x 8	13½	39
5 x20	75	105	8 x24	144	110	2¼x16	27	73
5 x24	90	108	8 x25	150	116	2½x 4	7½	22
5 x28	105	123	8 x28	168	120	2½x 8	15	44
5 x32	120	110	8 x30	180	118	2½x12	22½	61
6 x 6	27	73	9 x12	81	218	2½x16	30	80
6 x 7	31½	86	9 x14	94½	123	2½x24	45	103
6 x 8	36	95	9 x32	216	120	2⅝x 8	16½	47
6 x10	45	103	10 x10	75	105	2⅝x16	33	88
6 x12	54	106	10 x12	90	108	2⅝x32	66	107
6 x14	63	123	10 x14	105	123	3¼x 8	19½	57
6 x16	72	107	10 x16	120	110	3¼x16	39	208
6 x18	81	218	10 x20	150	116	3½x 4	10½	30
6 x20	90	108	10 x24	180	118	3½x 8	21	59
6 x21	94½	123	10 x32	240	115	3½x12	31½	86
6 x22	99	220	11 x12	99	220	3½x16	42	99
6 x28	126	123	11 x14	115½	123	3½x20	52½	123
6 x32	144	110	11 x32	264	121	3½x24	63	123
7 x 8	42	99	12 x14	126	123	3½x28	73½	123
7 x10	52½	123	12 x16	144	110	3⅝x 8	22½	61
7 x12	63	123	12 x20	180	118	3⅝x16	45	103
7 x14	73½	123	12 x24	216	120	4¼x 8	25½	71
7 x15	78¾	123	12 x32	288	121	4½x 8	27	73
7 x16	84	108	14 x16	168	120	4½x16	54	106
7 x18	94½	123	15 x16	180	118	4⅝x 8	28½	75
7 x20	105	123	16 x16	192	113	4⅝x16	57	212
7 x22	115½	123	16 x18	216	120	5¼x 8	31½	86
7 x24	126	123	16 x20	240	115	5¼x16	63	123
7 x32	168	120	16 x22	264	121	5½x 8	33	88
8 x 8	48	97	16 x25	300	117	5½x16	66	107
8 x 8½	51	212	16 x26	312	121	5½x24	99	220
8 x 8¾	52½	123	16 x28	336	121	5⅝x 8	34½	90
8 x 9	54	106	16 x30	360	121	5⅝x16	69	214
8 x 9½	57	212	20 x20	300	117	6½x 8	39	208
8 x10	60	98	20 x24	360	121	7½x 8	45	103
8 x10½	63	123	1¼x 8	7½	22	7½x16	90	108
8 x11	66	107	1¼x16	15	44	10½x12	94½	123
8 x11½	69	214	1¼x24	22½	61			

10 Feet.

1 x 1	⅝	5
1 x 2	1⅝	6
1 x 3	2½	9
1 x 4	3⅓	8

10 Feet in Length.

Size.	Feet.	Page.
1 x 5	4⅛	21
1 x 6	5	14
1 x 7	5⅝	22
1 x 8	6⅔	20
1 x 9	7½	22
1 x10	8⅓	22
1 x11	9⅛	46
1 x12	10	28
1 x13	10⅚	56
1 x14	11⅔	42
1 x15	12½	60
1 x16	13⅓	37
1 x17	14⅛	70
1 x18	15	44
1 x19	15⅚	74
1 x20	16⅔	45
1 x21	17½	61
1 x22	18⅓	47
1 x23	19⅛	89
1 x24	20	53
2 x 2	3⅓	8
2 x 2½	4⅛	21
2 x 3	5	14
2 x 3½	5⅚	22
2 x 4	6⅔	20
2 x 4½	7½	22
2 x 5	8⅓	22
2 x 5½	9⅛	46
2 x 6	10	28
2 x 6½	10⅚	56
2 x 7	11⅔	42
2 x 7½	12½	60
2 x 8	13⅓	37
2 x 8½	14⅛	70
2 x 9	15	44
2 x 9½	15⅚	74
2 x10	16⅔	45
2 x10½	17½	61
2 x11	18⅓	47
2 x11½	19⅛	89
2 x12	20	53
2 x13	21⅔	57
2 x13½	22½	61
2 x14	23⅓	78
2 x15	25	61
2 x16	26⅔	67
2 x17	28⅓	71
2 x18	30	80
2 x19	31⅔	75
2 x20	33⅓	81

See explanation page 159.

10 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x21	35	86	4 x15	50	84	8 x 9¾	65	104	12 x26	260	119
2 x22	36⅔	82	4 x18	60	98	8 x10½	70	101	12 x28	280	119
2 x23	38⅓	90	4 x21	70	101	8 x11¼	75	105	12 x30	300	117
2 x24	40	83	4 x24	80	109	8 x12	80	109	12 x32	320	119
2 x26	43⅓	83	4 x27	90	108	8 x12¼	81⅔	102	13 x16	173⅓	114
2 x27	45	103	4 x30	100	115	8 x12¾	85	218	13 x20	216⅔	116
2 x28	46⅔	84	5 x 6	25	61	8 x13½	90	108	13 x24	260	119
3 x 3	7½	22	5 x 8	33⅓	81	8 x14	93⅓	113	14 x16	186⅔	114
3 x 4	10	28	5 x12	50	84	8 x14¼	95	220	14 x24	280	119
3 x 5	12½	60	5 x14	58⅓	101	8 x15	100	115	15 x16	200	116
3 x 6	15	44	5 x18	75	105	8 x16	106⅔	112	15 x24	300	117
3 x 7	17½	61	5 x24	100	115	8 x18	120	110	16 x16	213⅓	113
3 x 8	20	53	5 x28	116⅔	115	8 x20	133⅓	116	16 x17	226⅔	115
3 x 9	22½	61	6 x 6	30	80	8 x21	140	118	16 x18	240	115
3 x10	25	61	6 x 7	35	86	8 x22	146⅔	114	16 x19	253⅓	115
3 x12	30	80	6 x 8	40	83	8 x24	160	111	16 x21	280	119
3 x14	35	86	6 x 9	45	103	8 x25	166⅔	116	16 x24	320	119
3 x16	40	83	6 x10	50	84	8 x26	173⅓	114	16 x25	333⅓	117
3 x18	45	103	6 x11	55	104	8 x27	180	118	16 x27	360	121
3 x20	50	84	6 x12	60	98	8 x28	186⅔	114	16 x30	400	120
3 x21	52½	123	6 x13	65	104	8 x30	200	116	17 x24	340	119
3 x22	55	104	6 x14	70	101	9 x10	75	105	18 x20	300	117
3 x24	60	98	6 x15	75	105	9 x12	90	108	18 x24	360	121
3 x26	65	104	6 x16	80	109	9 x14	105	123	19 x20	316⅔	117
3 x28	70	101	6 x17	85	218	9 x16	120	110	19 x24	380	120
4 x 4	13⅓	37	6 x18	90	108	9 x20	150	116	20 x20	333⅓	117
4 x 4¼	14⅙	70	6 x19	95	220	9 x24	180	118	20 x24	400	120
4 x 4½	15	44	6 x20	100	115	10 x10½	87½	102	24 x24	480	122
4 x 4¾	15⅝	74	6 x21	105	123	10 x12	100	115	1¼x 4	4⅙	21
4 x 5	16⅔	45	6 x24	120	110	10 x14	116⅔	115	1¼x 6	6¼	
4 x 5¼	17½	61	6 x28	140	118	10 x18	150	116	1¼x 8	8⅓	22
4 x 5½	18⅓	47	6 x30	150	116	10 x20	166⅔	116	1½x12	12½	60
4 x 5¾	19⅙	89	7 x 8	46⅔	84	10 x22	183⅓	116	1¼x16	16⅔	45
4 x 6	20	53	7 x 9	52½	123	10 x24	200	116	1½x24	25	61
4 x 6½	21⅔	57	7 x10	58⅓	101	10 x26	216⅔	116	1¼x32	33⅓	81
4 x 6¾	22½	61	7 x11	64⅙	101	10 x28	233⅓	117	1½x 2	2½	9
4 x 7	23⅓	78	7 x12	70	101	10 x30	250	117	1½x 4	5	14
4 x 7½	25	61	7 x14	81⅔	102	11 x14	128⅓	123	1½x 6	7½	22
4 x 8	26⅔	67	7 x15	87½	102	11 x16	146⅔	114	1½x 8	10	28
4 x 8½	28⅓	71	7 x16	93⅓	113	11 x20	183⅓	116	1½x10	12½	60
4 x 9	30	80	7 x18	105	123	11 x24	220	118	1½x12	15	44
4 x 9½	31⅔	75	7 x19	110⅝	123	12 x12	120	110	1½x14	17½	61
4 x10	33⅓	81	7 x20	116⅔	115	12 x12¼	122½	123	1½x16	20	53
4 x10½	35	86	7 x21	122½	123	12 x14	140	118	1½x18	22½	61
4 x11	36⅔	82	7 x22	128⅓	123	12 x15	150	116	1½x20	25	61
4 x11½	38⅓	90	7 x23	134⅙	123	12 x16	160	111	1½x24	30	80
4 x12	40	83	7 x24	140	118	12 x18	180	118	1½x28	35	86
4 x13	43⅓	83	8 x 8¼	55	104	12 x20	200	116	1½x32	40	83
4 x13½	45	103	8 x 8¾	58⅓	101	12 x22	220	118	1¾x 4	5⅝	22
4 x14	46⅔	84	8 x 9	60	98	12 x24	240	115	1¾x 8	11⅔	42

See explanation page 159.

10 ft.
11 & 12 ft.
13 & 14 ft.
15 & 16 ft.
17 ft.
18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 In.
2 to 3 In.
3 to 4 In.
4 to 5 In.
5 to 6 In.
6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In.
11 to 12 In.
Log Scales.

10 Feet in Length.			11 Feet in Length.						12 Feet in Length.		
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page
1⅜x12	17½	61	1 x 6	5½	46	6 x12	66	107	1 x 3½	3½	11
1⅜x16	23⅓	78	1 x 8	7⅓	46	6 x14	77	216	1 x 4	4	12
1⅜x24	35	86	1 x10	9⅙	46	6 x16	88	109	1 x 4½	4½	13
2¼x 4	7½	22	1 x12	11	46	6 x18	99	220	1 x 5	5	14
2¼x 8	15	44	1 x14	12⅚	47	6 x28	154		1 x 5½	5½	46
2¼x12	22½	61	1 x16	14⅔	47	7 x 8	51⅓	100	1 x 6	6	19
2¼x16	30	80	1 x18	16½	47	7 x10	64⅙	101	1 x 6½	6½	56
2¼x24	45	103	1 x20	18⅓	47	7 x12	77	216	1 x 7	7	25
2½x 4	8⅓	22	1 x24	22	54	7 x18	115½	123	1 x 7½	7½	22
2½x 6	12½	60	2 x 3	5½	46	7 x20	128⅓	123	1 x 8	8	26
2½x 8	16⅔	45	2 x 4	7⅓	46	8 x 9	66	107	1 x 8½	8½	70
2½x12	25	61	2 x 5	9⅙	46	8 x10½	77	216	1 x 9	9	27
2½x16	33⅓	81	2 x 6	11	46	8 x12	88	109	1 x 9½	9½	74
2¾x 4	12½	60	2 x 7	12⅚	47	8 x16	117⅓	112	1 x10	10	28
2¾x 8	25	61	2 x 8	14⅔	47	8 x20	146⅔	114	1 x10½	10½	30
2¾x16	50	84	2 x 9	16½	47	8 x30	220	118	1 x11	11	46
4¼x 8	28⅓	71	2 x10	18⅓	47	9 x12	99	220	1 x11½	11½	89
4½x 6	22½	61	2 x12	22	54	9 x14	115½	123	1 x12	12	36
4½x 8	30	80	2 x14	25⅔	88	10 x20	183⅓	116	1 x12½	12½	60
4½x12	45	103	2 x18	33	88	10 x24	220	118	1 x13	13	56
4½x14	52½	123	2 x20	36⅔	82	12 x20	220	118	1 x13½	13½	39
4½x16	60	98	3 x 4	11	46	12 x24	264	121	1 x14	14	50
4½x24	90	108	3 x 6	16½	47	15 x16	220	118	1 x15	15	44
4½x28	105	123	3 x 8	22	54	16 x18	264	121	1 x16	16	51
4⅞x 8	31⅔	75	3 x12	33	88	1¼x 8	9⅙	46	1 x16½	16½	47
5¼x 8	35	86	3 x16	44	96	1½x 4	5½	46	1 x17	17	70
5½x12	52½	123	3 x20	55	104	1½x 8	11	46	1 x17½	17½	61
5½x16	70	101	3 x24	66	107	1½x12	16½	47	1 x18	18	52
5½x24	105	123	4 x 4	14⅔	47	1½x16	22	54	1 x19	19	74
5½x 8	36⅔	82	4 x 4½	16½	47	1½x24	33	88	1 x19½	19½	57
5½x12	55	104	4 x 5	18⅓	47	1⅞x 8	12⅝	47	1 x20	20	53
5½x14	64⅛	101	4 x 6	22	54	1¾x16	25⅔	88	1 x21	21	59
5½x28	128⅓	123	4 x 7	25⅔	88	2¼x 8	16½	47	1 x22	22	54
5⅞x 8	38⅓	90	4 x 8	29⅓	68	2¼x16	33	88	1 x22½	22½	61
6½x 8	43⅓	83	4 x 9	33	88	2½x 4	9⅙	46	1 x23	23	89
6½x12	65	104	4 x10	36⅔	82	2½x16	36⅔	82	1 x24	24	55
6⅞x 8	45	103	4 x12	44	96	3⅛x 4	12⅝	47	1 x25	25	61
7½x 8	50	84	4 x14	51⅓	100	3½x 8	25⅔	88	1 x26	26	206
7½x12	75	105	4 x15	55	104	3½x16	51⅓	100	2 x 2	4	12
7½x14	87½	102	4 x18	66	107	3¾x16	55	104	2 x 2¼	4½	13
7½x16	100	115	4 x21	77	216	4½x16	66	107	2 x 2½	5	14
7½x24	150	116	4 x24	88	109	7½x 8	55	104	2 x 2⅞	5⅓	18
8½x12	85	218	4 x27	99	220	10½x12	115½	123	2 x 3	6	19
8½x14	99⅛	123	5 x 8	36⅔	82	**12 Feet.**			2 x 3¼	6½	56
8⅞x12	87⅓	102	5 x12	55	104				2 x 3½	7	25
9½x12	95	220	5 x14	64⅛	101	1 x 1	1	5	2 x 3⅞	7½	22
9½x14	110⅝	123	5 x28	128⅓	123	1 x 1½	1½	6	2 x 4	8	26
10½x12	105	123	6 x 6	33	88	1 x 2	2	7	2 x 4¼	8½	70
			6 x 8	44	96	1 x 2½	2½	9	2 x 4½	9	27
			6 x10	55	104	1 x 3	3	10	2 x 4¾	9½	74

See explanation page 159.

12 Feet in Length.

Size.	Feet.	Page.	Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x 5	10	28	3 x 3	9	27	4 x 8¾	35	86	6 x 6	36	95
2 x 5¼	10½	30	3 x 3½	10½	30	4 x 9	36	95	6 x 6½	39	208
2 x 5½	11	46	3 x 4	12	36	4 x 9¼	37	208	6 x 7	42	99
2 x 5¾	11½	89	3 x 4½	13½	39	4 x 9½	38	208	6 x 7½	45	103
2 x 6	12	36	3 x 5	15	44	4 x 9¾	39	208	6 x 8	48	97
2 x 6¼	12½	60	3 x 5½	16½	47	4 x10	40	83	6 x 8½	51	212
2 x 6½	13	56	3 x 6	18	52	4 x10¼	41	210	6 x 9	54	106
2 x 6¾	13½	39	3 x 6½	19½	57	4 x10½	42	99	6 x 9½	57	212
2 x 7	14	50	3 x 7	21	59	4 x10¾	43	210	6 x10	60	98
2 x 7½	15	44	3 x 7½	22½	61	4 x11	44	96	6 x10½	63	123
2 x 8	16	51	3 x 8	24	55	4 x11¼	45	103	6 x11	66	107
2 x 8¼	16½	47	3 x 8½	25½	71	4 x11½	46	210	6 x11½	69	214
2 x 8½	17	70	3 x 9	27	73	4 x11¾	47	210	6 x12	72	107
2 x 8¾	17½	61	3 x 9½	28½	75	4 x12	48	97	6 x12¼	73½	123
2 x 9	18	52	3 x10	30	80	4 x13	52	97	6 x12½	75	105
2 x 9½	19	74	3 x10½	31½	86	4 x14	56	98	6 x13	78	107
2 x 9¾	19½	57	3 x11	33	88	4 x15	60	98	6 x13½	81	218
2 x10	20	53	3 x11½	34½	90	4 x16	64	109	6 x14	84	108
2 x10½	21	59	3 x12	36	95	4 x17	68	214	6 x14½	87	218
2 x11	22	54	3 x13	39	208	4 x18	72	107	6 x15	90	108
2 x11¼	22½	61	3 x14	42	99	4 x19	76	216	6 x15½	93	220
2 x11½	23	89	3 x15	45	103	4 x20	80	109	6 x16	96	110
2 x12	24	55	3 x16	48	97	4 x21	84	108	6 x16½	99	220
2 x12¼	24½	86	3 x17	51	212	4 x22	88	109	6 x20	120	110
2 x12½	25	61	3 x18	54	106	4 x23	92	220	6 x21	126	123
2 x12¾	25½	71	3 x19	57	212	4 x24	96	110	6 x24	144	110
2 x13	26	206	3 x20	60	98	4 x25	100	115	6 x25	150	116
2 x13½	27	73	3 x21	63	123	4 x26	104	110	6 x28	168	120
2 x14	28	93	3 x22	66	107	4 x28	112	110	6 x30	180	118
2 x14¼	28½	75	3 x23	69	214	4 x30	120	110	7 x 7	49	210
2 x14½	29	206	3 x24	72	107	5 x 5	25	61	7 x 8	56	98
2 x15	30	80	3 x25	75	105	5 x 6	30	80	7 x 9	63	123
2 x15½	31	208	3 x26	78	107	5 x 7	35	86	7 x10	70	101
2 x16	32	69	3 x27	81	218	5 x 8	40	83	7 x11	77	216
2 x16½	33	88	3 x28	84	108	5 x 9	45	103	7 x12	84	108
2 x17	34	208	4 x 4	16	51	5 x10	50	84	7 x13	91	220
2 x17½	35	86	4 x 4¼	17	70	5 x11	55	104	7 x14	98	220
2 x18	36	95	4 x 4½	18	52	5 x12	60	98	7 x15	105	123
2 x18½	37	208	4 x 4¾	19	74	5 x13	65	104	7 x16	112	110
2 x19	38	208	4 x 5	20	53	5 x14	70	101	7 x18	126	123
2 x19½	39	208	4 x 5¼	21	59	5 x15	75	105	7 x20	140	118
2 x20	40	83	4 x 5½	22	54	5 x16	80	109	7 x24	168	120
2 x20½	41	210	4 x 5¾	23	89	5 x17	85	218	8 x 8	64	109
2 x21	42	99	4 x 6	24	55	5 x18	90	108	8 x 8¼	66	107
2 x21½	43	210	4 x 6¼	25	61	5 x19	95	220	8 x 8½	68	214
2 x22	44	96	4 x 6½	26	206	5 x20	100	115	8 x 8¾	70	101
2 x22½	45	103	4 x 6¾	27	73	5 x21	105	123	8 x 9	72	107
2 x23	46	210	4 x 8	32	69	5 x24	120	110	8 x 9¼	74	216
2 x23½	47	210	4 x 8¼	33	88	5 x28	140	118	8 x 9½	76	216
2 x24	48	97	4 x 8½	34	208	5 x30	150	116	8 x 9¾	78	107

See explanation page 159.

11 & 12 ft.
13 & 14 ft.
15 & 16 ft.
17 ft.
18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 In.
2 to 3 In.
3 to 4 In.
4 to 5 In.
5 to 6 In.
6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In.
11 to 12 In.
Log Scales.

12 Feet In Length.

Size.	Feet.	Page.	Size.	Feet.	Page	Size.	Feet.	Page.	Size.	Feet.	Page.
8 x10	80	109	12 x15	180	118	1½x13	19½	57	2½x22	55	104
8 x10¼	82	218	12 x16	192	113	1½x14	21	59	2½x24	60	98
8 x10½	84	108	12 x20	240	115	1½x15	22½	61	2⅝x26	65	104
8 x10¾	86	218	12 x22	264	121	1½x16	24	55	2½x28	70	101
8 x11	88	109	12 x25	300	117	1½x17	25½	71	2½x30	75	105
8 x11¼	90	108	12 x26	312	121	1½x18	27	73	2¾x 4	11	46
8 x11½	92	220	12 x28	336	121	1½x19	28½	75	2¾x 6	16½	47
8 x11¾	94	220	12 x30	360	121	1½x20	30	80	2¾x 8	22	54
8 x12	96	110	13 x20	260	119	1½x21	31½	86	2¾x12	33	88
8 x12¼	98	220	13 x24	312	121	1½x22	33	88	2¾x16	44	96
8 x12½	100	115	14 x20	280	119	1½x23	34½	90	2¾x20	55	104
8 x13	104	110	14 x24	336	121	1½x24	36	95	2¾x24	66	107
8 x14	112	110	15 x16	240	115	1½x26	39	208	2¾x28	77	216
8 x15	120	110	15 x20	300	117	1½x28	42	99	3¼x 4	13	56
8 x16	128	110	15 x24	360	121	1⅝x 2	3½	11	3¼x 6	19½	57
8 x17	136	110	16 x21	336	121	1⅝x 4	7	25	3¼x 8	26	206
8 x18	144	110	16 x25	400	120	1⅝x 6	10½	30	3¼x12	39	208
8 x19	152	111	16 x27	432	122	1⅝x 8	14	50	3¼x16	52	97
8 x20	160	111	16 x30	480	122	1⅝x10	17½	61	3¼x20	65	104
8 x21	168	120	17 x20	340	119	1⅝x12	21	59	3¼x24	78	107
8 x24	192	113	17 x24	408	122	1⅝x14	24½	86	3¼x28	91	220
8 x25	200	116	18 x20	360	121	1⅝x16	28	93	3½x 4	14	50
8 x27	216	120	18 x24	432	122	1⅝x18	31½	86	3½x 5	17½	61
8 x30	240	115	19 x20	380	120	1⅝x20	35	86	3½x 6	21	59
9 x 9	81	218	19 x24	456	122	1⅝x24	42	99	3½x 7	24½	86
9 x10	90	108	20 x20	400	120	1⅝x28	49	210	3½x 8	28	93
9 x11	99	220	20 x24	480	122	1⅝x30	52½	123	3½x 9	31½	86
9 x14	126	123	1¼x 2	2½	9	2¼x 4	9	27	3½x10	35	86
9 x16	144	110	1¼x 4	5	14	2¼x 6	13½	39	3½x12	42	99
9 x20	180	118	1¼x 6	7½	22	2¼x 8	18	52	3½x14	49	210
9 x24	216	120	1¼x 8	10	28	2¼x10	22½	61	3½x15	52½	123
10 x10	100	115	1¼x10	12½	60	2¼x12	27	73	3½x16	56	98
10 x10½	105	123	1¼x12	15	44	2¼x14	31½	86	3½x18	63	123
10 x12	120	110	1¼x14	17½	61	2¼x16	36	95	3½x20	70	101
10 x14	140	118	1¼x16	20	53	2¼x20	45	103	3½x22	77	216
10 x15	150	116	1¼x18	22½	61	2¼x24	54	106	3½x24	84	108
10 x16	160	111	1¼x20	25	61	2¼x28	63	123	3½x26	91	220
10 x18	180	118	1¼x24	30	80	2½x 3	7½	22	3½x27	94½	123
10 x20	200	116	1¼x28	35	86	2½x 4	10	28	3½x28	98	220
10 x22	220	118	1½x 2	3	10	2½x 5	12½	60	3½x30	105	123
10 x24	240	115	1½x 3	4½	13	2½x 6	15	44	3¾x 4	15	44
10 x25	250	117	1½x 4	6	19	2½x 7	17½	61	3¾x 6	22½	61
10 x26	260	119	1½x 5	7½	22	2½x 8	20	53	3¾x 8	30	80
10 x28	280	119	1½x 6	9	27	2½x 9	22½	61	3¾x12	45	103
10 x32	320	119	1½x 7	10½	30	2½x10	25	61	3¾x14	52½	123
11 x20	220	118	1½x 8	12	36	2½x12	30	80	3¾x16	60	98
11 x24	264	121	1½x 9	13½	39	2½x14	35	86	3¾x20	75	105
12 x12	144	110	1½x10	15	44	2½x16	40	83	3¾x24	90	108
12 x12½	150	116	1½x11	16½	47	2½x18	45	103	3¾x28	105	123
12 x14	168	120	1½x12	18	52	2½x20	50	84	4¼x 8	34	208

See explanation page 159.

12 Feet in Length.

Size.	Feet.	Page.
4¼x12	51	212
4½x16	68	214
4½x20	85	218
4½x 5	22½	61
4½x 6	27	73
4½x 7	31½	86
4½x 8	36	95
4½x10	45	103
4½x12	54	106
4½x14	63	123
4½x16	72	107
4½x20	90	108
4½x28	126	123
4¾x 6	28½	75
4¾x 8	38	208
4¾x12	57	212
4¾x16	76	216
4¾x20	95	220
5¼x 6	31½	86
5¼x 8	42	99
5¼x10	52½	123
5¼x12	63	123
5¼x14	73½	123
5¼x16	84	108
5¼x20	105	123
5½x 6	33	88
5½x 8	44	96
5½x10	55	104
5½x12	66	107
5½x14	77	216
5½x16	88	109
5¾x 6	34½	90
5¾x 8	46	210
5¾x12	69	214
5¾x16	92	220
6¼x 8	50	84
6¼x12	75	105
6¼x14	87½	102
6¼x16	100	115
6¼x24	150	116
6½x 8	52	97
6½x10	65	104
6½x12	78	107
6½x14	91	220
6¾x 8	54	106
6¾x12	81	218
7¼x 8	58	212
7¼x12	87	218
7½x 8	60	98
7½x10	75	105
7½x12	90	108
7½x14	105	123
7½x16	120	110
7½x20	150	116
7½x24	180	118
7¾x 8	62	214
7¾x12	93	220
8¼x12	99	220
8½x10	85	218
8½x10	87½	102
8¾x12	105	123
8¾x14	122½	123
9½x10	95	220
10½x12	126	123

13 Feet.

Size.	Feet.	Page.
1 x 6	6½	56
1 x 8	8⅔	56
1 x10	10⅚	56
1 x12	13	56
1 x14	15⅙	57
1 x16	17⅓	57
1 x18	19½	57
1 x20	21⅔	57
1 x24	26	206
2 x 3	6½	56
2 x 4	8⅔	56
2 x 5	10⅚	56
2 x 6	13	56
2 x 7	15⅙	57
2 x 8	17⅓	57
2 x 9	19½	57
2 x10	21⅔	57
2 x12	26	206
2 x18	39	208
2 x20	43⅓	83
2 x24	52	97
3 x 4	13	56
3 x 6	19½	57
3 x 8	26	206
3 x12	39	208
3 x16	52	97
3 x20	65	104
3 x24	78	107
3 x28	91	220
4 x 4	17⅓	57
4 x 4½	19½	57
4 x 5	21⅔	57
4 x 6	26	206
4 x 9	39	208

13 Feet in Length.

Size.	Feet.	Page.
4 x10	43⅓	83
4 x12	52	97
4 x14	60⅔	100
4 x15	65	104
4 x18	78	107
4 x21	91	220
5 x 8	43⅓	83
5 x12	65	104
5 x14	75⅚	102
6 x 6	39	208
6 x 8	52	97
6 x10	65	104
6 x12	78	107
6 x14	91	220
6 x16	104	110
7 x 8	60⅔	100
7 x10	75⅚	102
7 x12	91	220
8 x 8¾	75⅚	102
8 x 9	78	107
8 x10½	91	220
8 x12	104	110
8 x16	138⅔	112
8 x20	173⅓	114
8 x25	216⅔	116
8 x30	260	119
10 x24	260	119
12 x20	260	119
12 x24	312	121
15 x16	260	119
16 x18	312	121
1½x 4	6½	56
1½x 8	13	56
1½x12	19½	57
1½x16	26	206
1½x24	39	208
1¾x 8	15⅙	57
2¼x 8	19½	57
2¼x16	39	208
2½x 4	10⅚	56
2½x 8	21⅔	57
3½x 4	15⅙	57
4½x 8	39	208
7½x 8	65	104

14 Feet.

Size.	Feet.	Page.
1 x 1	1⅙	6
1 x 2	2⅓	8
1 x 3	3½	11
1 x 4	4⅔	17

14 Feet in Length.

Size.	Feet	Page.
1 x 5	5⅚	22
1 x 6	7	25
1 x 7	8⅙	30
1 x 8	9⅓	34
1 x 9	10½	30
1 x10	11⅔	42
1 x11	12⅚	47
1 x12	14	50
1 x13	15⅙	57
1 x14	16⅓	59
1 x15	17½	61
1 x16	18⅔	64
1 x17	19⅚	71
1 x18	21	59
1 x19	22⅙	75
1 x20	23⅓	78
1 x21	24½	86
1 x22	25⅔	88
1 x23	26⅚	90
1 x24	28	93
2 x 2	4⅔	17
2 x 2½	5⅚	22
2 x 3	7	25
2 x 3½	8⅙	30
2 x 4	9⅓	34
2 x 4½	10½	30
2 x 5	11⅔	42
2 x 5½	12⅚	47
2 x 6	14	50
2 x 6½	15⅙	57
2 x 7	16⅓	59
2 x 7½	17½	61
2 x 8	18⅔	64
2 x 8½	19⅚	71
2 x 9	21	59
2 x 9½	22⅙	75
2 x10	23⅓	78
2 x10½	24½	86
2 x11	25⅔	88
2 x11½	26⅚	90
2 x12	28	93
2 x14	32⅔	99
2 x15	35	86
2 x16	37⅓	99
2 x18	42	99
2 x20	46⅔	84
2 x21	49	210
2 x22	51⅓	100
2 x24	56	98
3 x 3	10½	30

13 & 14 ft.
15 & 16 ft.
17 ft.
18 ft.
19 & 20 ft
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 In.
2 to 3 In.
3 to 4 In.
4 to 5 In.
5 to 6 In.
6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In
11 to 12 In.
Log Scales.

See explanation page 159.

14 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
3 x 4	14	50	4 x27	126	123	8 x12½	116⅔	115	2¼x 8	21	59
3 x 5	17½	61	4 x30	140	118	8 x13⅓	126	123	2¼x12	31½	86
3 x 6	21	59	5 x 6	35	86	8 x13¾	128⅓	123	2¼x16	42	99
3 x 8	28	93	5 x 8	46⅔	84	8 x15	140	118	2⅓x 4	11⅔	42
3 x10	35	86	5 x 9	52½	123	8 x16	149⅓	112	2⅓x 6	17½	61
3 x12	42	99	5 x10	58⅓	101	8 x18	168	120	2⅓x 8	23⅓	78
3 x14	49	210	5 x11	64⅛	101	8 x20	186⅔	114	2½x12	35	86
3 x15	52½	123	5 x12	70	101	8 x25	233⅓	117	2½x16	46⅔	84
3 x16	56	98	5 x13	75⅝	102	8 x30	280	119	2⅔x 8	25⅓	88
3 x18	63	123	5 x14	81⅔	102	9 x 9	94½	123	3¼x 4	15⅛	57
3 x20	70	101	5 x15	87½	102	9 x10	105	123	3½x 4	16⅓	59
3 x21	73½	123	5 x16	93⅓	113	9 x11	115½	123	3½x 6	24½	86
3 x22	77	216	5 x17	99⅛	123	9 x12	126	123	3½x 8	32⅔	99
3 x24	84	108	5 x18	105	123	9 x16	168	120	3½x12	49	210
3 x26	91	220	5 x19	110⅝	123	10 x10	116⅔	115	3¾x 4	17½	61
4 x 4	18⅔	64	5 x20	116⅔	115	10 x10½	122½	123	3¾x 8	35	86
4 x 4¼	19⅝	71	5 x21	122½	123	10 x11	128⅓	123	3¾x12	52½	123
4 x 4½	21	59	5 x22	128⅓	123	10 x12	140	118	3¾x16	70	101
4 x 4¾	22⅛	75	5 x23	134⅙	123	10 x16	186⅔	114	4⅓x 6	31½	86
4 x 5	23⅓	78	5 x24	140	118	10 x20	233⅓	117	4½x 8	42	99
4 x 5¼	24½	86	6 x 6	42	99	10 x24	280	119	4½x10	52½	123
4 x 5½	25⅔	88	6 x 7	49	210	12 x12	168	120	4½x12	63	123
4 x 5¾	26⅞	90	6 x 7½	52½	123	12 x20	280	119	4½x14	73½	123
4 x 6	28	93	6 x 8	56	98	12 x24	336	121	4½x16	84	108
4 x 6¾	31½	86	6 x 9	63	123	15 x16	280	119	4½x24	126	123
4 x 7	32⅔	99	6 x10	70	101	16 x18	336	121	5¼x 8	49	210
4 x 7½	35	86	6 x11	77	216	1¼x 4	5⅝	22	5¼x12	73½	123
4 x 8	37⅓	99	6 x12	84	108	1¼x 8	11⅔	42	5¼x16	98	220
4 x 9	42	99	6 x12½	87½	102	1¼x12	17½	61	5⅓x 8	51⅓	100
4 x10	46⅔	84	6 x13	91	220	1¼x16	23⅓	78	5⅓x10	64⅛	101
4 x10½	49	210	6 x14	98	220	1¼x24	35	86	5½x12	77	216
4 x11	51⅓	100	6 x15	105	123	1½x 2	3½	11	5½x20	128⅓	123
4 x11¼	52½	123	6 x16	112	110	1½x 4	7	25	6¼x 8	58⅓	101
4 x12	56	98	6 x18	126	123	1½x 6	10½	30	6¼x12	87½	102
4 x12½	58⅓	101	6 x20	140	118	1½x 8	14	50	6¼x16	116⅔	115
4 x13	60⅝	100	6 x24	168	120	1½x10	17½	61	6½x 8	60⅔	100
4 x13½	63	123	7 x 8	65⅓	100	1½x12	21	59	6½x12	91	220
4 x13¾	64⅛	101	7 x 9	73½	123	1½x14	24½	86	6¾x 8	63	123
4 x14	65⅓	100	7 x10	81⅔	102	1½x16	28	93	7½x 8	70	101
4 x15	70	101	7 x12	98	220	1½x18	31½	86	7½x10	87½	102
4 x16	74⅔	111	7 x15	122½	123	1½x20	35	86	7½x12	105	123
4 x16½	77	216	8 x 8	74⅔	111	1½x24	42	99	7½x14	122½	123
4 x17½	81⅔	102	8 x 8¼	77	216	1½x28	49	210	8¾x12	122½	123
4 x18	84	108	8 x 8¾	81⅔	102	1½x30	52½	123	**15 Feet.**		
4 x19½	91	220	8 x 9	84	108	1⅞x 4	8⅛	30			
4 x20	93⅓	113	8 x 9¾	91	220	1⅞x 8	16⅓	59	1 x 2	2½	9
4 x21	98	220	8 x10	93⅓	113	1⅞x12	24½	86	1 x 4	5	14
4 x22½	105	123	8 x10½	98	220	1⅞x16	32⅔	99	1 x 6	7½	22
4 x24	112	110	8 x11¼	105	123	1⅞x24	49	210	1 x 8	10	28
4 x25	116⅔	115	8 x12	112	110	2¼x 4	10½	30	1 x10	12½	60

See explanation page 159.

15 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
1 x12	15	44	4 x17	85	218	12 x24	360	121
1 x14	17½	61	4 x18	90	108	13 x16	260	119
1 x16	20	53	4 x19	95	220	15 x16	300	117
1 x18	22½	61	4 x20	100	115	16 x18	360	121
1 x20	25	61	4 x21	105	123	16 x19	380	120
1 x24	30	80	4 x24	120	110	16 x20	400	120
1 x28	35	86	4 x28	140	118	16 x24	480	122
1 x32	40	83	4 x30	150	116	1¼x 8	12½	60
2 x 2	5	14	5 x 8	50	84	1¼x16	25	61
2 x 3	7½	22	5 x12	75	105	1¼x32	50	84
2 x 4	10	28	5 x14	87½	102	1½x 4	7½	22
2 x 5	12½	60	5 x16	100	115	1½x 8	15	44
2 x 6	15	44	5 x24	150	116	1½x12	22½	61
2 x 7	17½	61	6 x 6	45	103	1½x16	30	80
2 x 8	20	53	6 x 7	52½	123	1½x24	45	103
2 x 9	22½	61	6 x 8	60	98	1½x32	60	98
2 x10	25	61	6 x10	75	105	1¾x 8	17½	61
2 x12	30	80	6 x12	90	108	1¾x16	35	86
2 x14	35	86	6 x14	105	123	1¾x24	52½	123
2 x16	40	83	6 x16	120	110	1¾x32	70	100
2 x18	45	103	6 x20	150	116	2¼x 8	22½	61
2 x20	50	84	6 x24	180	118	2¼x16	45	103
2 x21	52½	123	7 x 8	70	101	2½x 4	12½	60
2 x22	55	104	7 x12	105	123	2½x 8	25	61
2 x24	60	98	7 x14	122½	123	2½x16	50	84
2 x26	65	104	7 x16	140	118	3¼x 4	17½	61
3 x 4	15	44	8 x 8	80	109	3½x 8	35	86
3 x 6	22½	61	8 x 9	90	108	3½x12	52½	123
3 x 8	30	80	8 x10½	105	123	3½x20	87½	102
3 x12	45	103	8 x12	120	110	3¾x16	70	101
3 x14	52½	123	8 x12¼	122½	123	3¾x24	105	123
3 x16	60	98	8 x14	140	118	4½x 8	45	103
3 x20	75	105	8 x15	150	116	5¼x 8	52½	123
3 x24	90	108	8 x16	160	111	5¼x16	105	123
3 x28	105	123	8 x18	180	118	5½x 8	55	104
4 x 4	20	53	8 x20	200	116	6½x 8	65	104
4 x 4½	22½	61	8 x22	220	118	7½x 8	75	105
4 x 5	25	61	8 x24	240	115			
4 x 6	30	80	8 x25	250	117			
4 x 7	35	86	8 x26	260	119			
4 x 8	40	83	8 x28	280	119			
4 x 9	45	103	8 x30	300	117			
4 x10	50	84	9 x16	180	118			
4 x10½	52½	123	10 x12	150	116			
4 x11	55	104	10 x20	250	117			
4 x12	60	98	10 x24	300	117			
4 x13	65	104	11 x16	220	118			
4 x14	70	101	12 x12	180	118			
4 x15	75	105	12 x16	240	115			
4 x16	80	109	12 x20	300	117			

16 Feet.

1 x 1	1⅓	6
1 x 1¼	1⅔	6
1 x 1½	2	7
1 x 1¾	2⅓	8
1 x 2	2⅔	8
1 x 2¼	3	10
1 x 2½	3⅓	8
1 x 3	4	12
1 x 3½	4⅔	17
1 x 3¾	5	14
1 x 4	5⅓	18

16 Feet In Length.

Size.	Feet.	Page
1 x 4½	6	19
1 x 5	6⅔	20
1 x 5¼	7	25
1 x 5½	7⅓	46
1 x 6	8	26
1 x 6¼	8⅓	22
1 x 6½	8⅔	56
1 x 6¾	9	27
1 x 7	9⅓	34
1 x 7½	10	28
1 x 8	10⅔	35
1 x 8¼	11	46
1 x 8½	11⅓	70
1 x 8¾	11⅔	42
1 x 9	12	36
1 x 9½	12⅔	74
1 x 9¾	13	56
1 x10	13⅓	37
1 x10½	14	50
1 x11	14⅔	47
1 x11¼	15	44
1 x11½	15⅓	89
1 x12	16	51
1 x12¼	16⅓	59
1 x12½	16⅔	45
1 x12¾	17	70
1 x13	17⅓	57
1 x13½	18	52
1 x13¾	18⅓	47
1 x14	18⅔	64
1 x14¼	19	74
1 x15	20	53
1 x16	21⅓	65
1 x16½	22	54
1 x17	22⅔	71
1 x17½	23⅓	78
1 x18	24	55
1 x19	25⅓	75
1 x19½	26	206
1 x20	26⅔	67
1 x21	28	93
1 x22	29⅓	68
1 x22½	30	80
1 x23	30⅔	90
1 x24	32	69
1 x24½	32⅔	99
1 x25	33⅓	81
2 x 2	5⅓	18
2 x 2¼	6	19
2 x 2½	6⅔	20

See explanation page 159.

15 & 16 ft.
17 ft.
18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 In.
2 to 3 In.
3 to 4 In.
4 to 5 In.
5 to 6 In.
6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In.
11 to 12 In.
Log Scales.

16 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page	Size.	Feet.	Page	Size.	Feet.	Page.
2 x 2¾	7⅓	46	2 x28	74⅔	111	3 x15	60	98	4 x16½	88	109
2 x 3	8	26	2 x30	80	109	3 x15¼	61	214	4 x17½	93⅓	113
2 x 3¼	8⅔	56	3 x 3	12	36	3 x15½	62	214	4 x18	96	110
2 x 3½	9⅓	34	3 x 3¼	13	56	3 x15¾	63	123	4 x19½	104	110
2 x 3¾	10	28	3 x 3½	14	50	3 x16	64	109	4 x20	106⅔	112
2 x 4	10⅔	35	3 x 3¾	15	44	3 x16¼	65	104	4 x21	112	110
2 x 4¼	11⅓	70	3 x 4	16	51	3 x16½	66	107	4 x22	117⅓	112
2 x 4½	12	36	3 x 4¼	17	70	3 x16¾	67	214	4 x22½	120	110
2 x 4¾	12⅔	74	3 x 4½	18	52	3 x17	68	214	4 x24	128	110
2 x 5	13⅓	37	3 x 4¾	19	74	3 x17¼	69	214	4 x25	133⅓	116
2 x 5¼	14	50	3 x 5	20	53	3 x17½	70	101	4 x25½	136	110
2 x 5½	14⅔	47	3 x 5¼	21	59	3 x17¾	71	216	4 x26	138⅔	112
2 x 5¾	15⅓	89	3 x 5½	22	54	3 x18	72	107	4 x27	144	110
2 x 6	16	51	3 x 5¾	23	89	3 x19	76	216	4 x27½	146⅔	114
2 x 6¼	16⅔	45	3 x 6	24	55	3 x20	80	109	4 x28	149⅓	112
2 x 6½	17⅓	57	3 x 6¼	25	61	3 x21	84	108	4 x28½	152	111
2 x 6¾	18	52	3 x 6½	26	206	3 x22	88	109	4 x30	160	111
2 x 7	18⅔	64	3 x 6¾	27	73	3 x23	92	220	5 x 5	33⅓	81
2 x 7½	20	53	3 x 7	28	93	3 x24	96	110	5 x 5¼	35	86
2 x 8	21⅓	65	3 x 7¼	29	206	3 x25	100	115	5 x 5½	36⅔	82
2 x 8¼	22	54	3 x 7½	30	80	3 x26	104	110	5 x 5¾	38⅓	90
2 x 8½	22⅔	71	3 x 7¾	31	208	3 x28	112	110	5 x 6	40	83
2 x 8¾	23⅓	78	3 x 8	32	69	3 x30	120	110	5 x 6½	43⅓	83
2 x 9	24	55	3 x 8¼	33	88	4 x 4	21⅓	65	5 x 6¾	45	103
2 x 9½	25⅓	75	3 x 8½	34	208	4 x 4¼	22⅔	71	5 x 7	46⅔	84
2 x 9¾	26	206	3 x 8¾	35	86	4 x 4½	24	55	5 x 7½	50	84
2 x10	26⅔	67	3 x 9	36	95	4 x 4¾	25⅓	75	5 x 8¼	55	104
2 x10½	28	93	3 x 9¼	37	208	4 x 5	26⅔	67	5 x 8¾	58⅓	101
2 x11	29⅓	68	3 x 9½	38	208	4 x 5¼	28	93	5 x 9	60	98
2 x11¼	30	80	3 x 9¾	39	208	4 x 5½	29⅓	68	5 x 9¾	65	104
2 x11½	30⅔	90	3 x10	40	83	4 x 5¾	30⅔	90	5 x10½	70	101
2 x12	32	69	3 x10¼	41	210	4 x 6	32	69	5 x11¼	75	105
2 x12¼	32⅔	99	3 x10½	42	99	4 x 6¼	33⅓	81	5 x12	80	109
2 x12½	33⅓	81	3 x10¾	43	210	4 x 6¾	36	95	5 x12¼	81⅔	102
2 x12¾	34	208	3 x11	44	96	4 x 7	37⅓	99	5 x12¾	85	218
2 x13½	36	95	3 x11¼	45	103	4 x 7½	40	83	5 x13½	90	108
2 x13¾	36⅔	82	3 x11½	46	210	4 x 8¼	44	96	5 x14	93⅓	113
2 x14	37⅓	99	3 x11¾	47	210	4 x 8¾	46⅔	84	5 x14¼	95	220
2 x14¼	38	208	3 x12	48	97	4 x 9	48	97	5 x15	100	115
2 x15	40	83	3 x12¼	49	210	4 x 9¾	52	97	5 x16	106⅔	112
2 x16½	44	96	3 x12½	50	84	4 x10½	56	98	5 x18	120	110
2 x17½	46⅔	84	3 x12¾	51	212	4 x11½	60	98	5 x20	133⅓	116
2 x18	48	97	3 x13	52	97	4 x12	64	109	5 x21	140	118
2 x19½	52	97	3 x13¼	53	212	4 x12¼	65⅓	100	5 x22	146⅔	114
2 x21	56	98	3 x13½	54	106	4 x12¾	68	214	5 x24	160	111
2 x22½	60	98	3 x13¾	55	104	4 x13½	72	107	5 x25	166⅔	116
2 x24	64	109	3 x14	56	98	4 x14	74⅔	111	5 x26	173⅓	114
2 x24½	65⅓	100	3 x14¼	57	212	4 x14¼	76	216	5 x27	180	118
2 x25½	68	214	3 x14½	58	212	4 x15	80	109	5 x28	186⅔	114
2 x27	72	107	3 x14¾	59	212	4 x16	85⅓	111	5 x30	200	116

See explanation page 159.

16 Feet in Length.

Size.	Feet.	Page.	Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
5 x32	213⅓	113	7 x11¼	105	123	10 x10	133⅓	116	18 x20	480	122
6 x 6	48	97	7 x12	112	110	10 x10½	140	118	1¼x 1½	2⅔	9
6 x 6¼	50	84	7 x12½	116⅔	115	10 x11	146⅔	114	1¼x 2	3⅓	8
6 x 6½	52	97	7 x13½	126	123	10 x11¼	150	116	1¼x 2½	4⅙	21
6 x 6¾	54	106	7 x15	140	118	10 x12	160	111	1¼x 3	5	14
6 x 7	56	98	7 x16	149⅓	112	10 x12½	166⅔	116	1¼x 3½	5⅝	22
6 x 7¼	58	212	7 x18	168	120	10 x13	173⅓	114	1¼x 4	6⅔	20
6 x 7½	60	98	7 x20	186⅔	114	10 x13½	180	118	1¼x 4½	7½	22
6 x 7¾	62	214	7 x25	233⅓	117	10 x13¾	183⅓	116	1¼x 5	8⅓	22
6 x 8	64	109	7 x30	280	119	10 x14	186⅔	114	1¼x 5½	9⅛	46
6 x 8¼	66	107	8 x 8	85⅓	111	10 x15	200	116	1¼x 6	10	28
6 x 8½	68	214	8 x 8¼	88	109	10 x16	213⅓	113	1¼x 6½	10⅝	56
6 x 8¾	70	101	8 x 8¾	93⅓	113	10 x17	226⅔	115	1¼x 7	11⅔	42
6 x 9	72	107	8 x 9	96	110	10 x18	240	115	1¼x 7½	12½	60
6 x 9¼	74	216	8 x 9¾	104	110	10 x20	266⅔	115	1¼x 8	13⅓	37
6 x 9½	76	216	8 x10	106⅔	112	10 x21	280	119	1¼x 8½	14⅙	70
6 x 9¾	78	107	8 x10½	112	110	10 x24	320	119	1¼x 9	15	44
6 x10	80	109	8 x11	117⅓	112	10 x25	333⅓	117	1¼x 9½	15⅞	74
6 x10¼	82	218	8 x11¼	120	110	10 x27	360	121	1¼x10	16⅔	45
6 x10½	84	108	8 x12	128	110	10 x30	400	120	1¼x10½	17½	61
6 x10¾	86	218	8 x12½	133⅓	116	11 x15	220	118	1¼x11	18⅓	47
6 x11	88	109	8 x12¾	136	110	11 x18	264	121	1¼x11½	19⅛	89
6 x11¼	90	108	8 x13	138⅔	112	12 x12	192	113	1¼x12	20	53
6 x11½	92	220	8 x13½	144	110	12 x12½	200	116	1¼x13	21⅔	57
6 x11¾	94	220	8 x13¾	146⅔	114	12 x13½	216	120	1¼x13½	22½	61
6 x12	96	110	8 x14	149⅓	112	12 x13¾	220	118	1¼x14	23⅓	78
6 x12¼	98	220	8 x14¼	152	111	12 x15	240	115	1¼x15	25	61
6 x12½	100	115	8 x15	160	111	12 x18	288	121	1¼x16	26⅔	67
6 x13	104	110	8 x16	170⅔	112	12 x18¾	300	117	1¼x17	28⅓	71
6 x14	112	110	8 x17	181⅓	113	12 x20	320	119	1¼x18	30	80
6 x15	120	110	8 x18	192	113	12 x21	336	121	1¼x19	31⅔	75
6 x16	128	110	8 x19	202⅔	113	12 x24	384	121	1¼x20	33⅓	81
6 x17	136	110	8 x20	213⅓	113	12 x25	400	120	1¼x21	35	86
6 x18	144	110	8 x25	266⅔	115	12 x27	432	122	1¼x22	36⅔	82
6 x19	152	111	8 x27	288	121	12 x30	480	122	1¼x23	38⅓	90
6 x20	160	111	8 x30	320	119	13 x15	260	119	1¼x24	40	83
6 x21	168	120	9 x10	120	110	13 x18	312	121	1¼x26	43⅓	83
6 x24	192	113	9 x12	144	110	14 x15	280	119	1¼x27	45	103
6 x25	200	116	9 x12½	150	116	14 x18	336	121	1¼x28	46⅔	84
6 x27	216	120	9 x14	168	120	15 x15	300	117	1¼x30	50	84
6 x30	240	115	9 x15	180	118	15 x16	320	119	1½x 1½	3	10
7 x 7	65⅓	100	9 x16	192	113	15 x17	340	119	1½x 1¾	3½	11
7 x 7½	70	101	9 x18	216	120	15 x18	360	121	1½x 2	4	12
7 x 8	74⅔	111	9 x20	240	115	15 x19	380	120	1½x 2¼	4½	13
7 x 8¼	77	216	9 x22	264	121	15 x20	400	120	1½x 2½	5	14
7 x 8¾	81⅔	102	9 x24	288	121	15 x24	480	122	1½x 2¾	5½	46
7 x 9	84	108	9 x25	300	117	16 x18	384	121	1½x 3	6	19
7 x 9¾	91	220	9 x26	312	121	17 x18	408	122	1½x 3¼	6½	56
7 x10	93⅓	113	9 x28	336	121	18 x18	432	122	1½x 3½	7	25
7 x10½	98	220	9 x30	360	121	18 x19	456	122	1½x 3¾	7½	22

See explanation page 159.

17 ft.
18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 In.
2 to 3 In.
3 to 4 In.
4 to 5 In.
5 to 6 In.
6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In.
11 to 12 In.
Log Scales.

16 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet	Page.
1½x 4	8	26	1½x23	46	210	1¾x30	70	101	2½x 4¾	15⅝	74
1½x 4¼	8½	70	1½x23½	47	210	2¼x 2½	7½	22	2½x 5	16⅔	45
1½x 4½	9	27	1½x24	48	97	2¼x 3	9	27	2½x 5¼	17½	61
1½x 4¾	9½	74	1½x24½	49	210	2¼x 3½	10½	30	2½x 5½	18⅓	47
1½x 5	10	28	1½x25	50	84	2¼x 4	12	36	2½x 5¾	19⅛	89
1½x 5¼	10½	30	1½x25½	51	212	2¼x 4½	13½	39	2½x 6	20	53
1½x 5½	11	46	1½x26	52	97	2¼x 5	15	44	2½x 6½	21⅝	57
1½x 5¾	11½	89	1½x26½	53	212	2¼x 5½	16½	47	2½x 6¾	22½	61
1½x 6	12	36	1½x27	54	106	2¼x 6	18	52	2½x 7	23⅓	78
1½x 6¼	12½	60	1½x27½	55	104	2¼x 6½	19½	57	2½x 7½	25	61
1½x 6½	13	56	1½x28	56	98	2¼x 7	21	59	2½x 8	26⅔	67
1½x 6¾	13½	39	1½x28½	57	212	2¼x 7½	22½	61	2½x 8½	28⅓	71
1½x 7	14	50	1½x29	58	212	2¼x 8	24	55	2½x 9	30	80
1½x 7½	15	44	1½x29½	59	212	2¼x 8½	25½	71	2½x 9½	31⅝	75
1½x 8	16	51	1½x30	60	98	2¼x 9	27	73	2½x10	33⅓	81
1½x 8¼	16½	47	1¾x 2	4⅔	17	2¼x 9½	28½	75	2½x10½	35	86
1½x 8½	17	70	1¾x 2½	5⅝	22	2¼x10	30	80	2½x11	36⅔	82
1½x 8¾	17½	61	1¾x 3	7	25	2¼x10½	31½	86	2½x11½	38⅓	90
1½x 9	18	52	1¾x 3½	8⅛	30	2¼x11	33	88	2½x12	40	83
1½x 9½	19	74	1¾x 4	9⅓	34	2¼x11½	34½	90	2½x13	43⅓	83
1½x 9¾	19½	57	1¾x 4½	10½	30	2¼x12	36	95	2½x13½	45	103
1½x10	20	53	1¾x 5	11⅝	42	2¼x13	39	208	2½x14	46⅔	84
1½x10½	21	59	1¾x 5½	12⅝	47	2¼x14	42	99	2½x15	50	84
1½x11	22	54	1¾x 6	14	50	2¼x15	45	103	2½x16½	55	104
1½x11¼	22½	61	1¾x 6½	15⅛	57	2¼x16	48	97	2½x17½	58⅓	101
1½x11½	23	89	1¾x 7	16⅓	59	2¼x17	51	212	2½x18	60	98
1½x12	24	55	1¾x 7½	17½	61	2¼x17½	52½	123	2½x19½	65	104
1½x12¼	24½	86	1¾x 8	18⅔	64	2¼x18	54	106	2½x21	70	101
1½x12½	25	61	1¾x 8½	19⅝	71	2¼x19	57	212	2½x22½	75	105
1½x13	26	206	1¾x 9	21	59	2¼x20	60	98	2½x24	80	109
1½x13½	27	73	1¾x 9½	22⅛	75	2¼x21	63	123	2½x24½	81⅞	102
1½x14	28	93	1¾x10	23⅓	78	2¼x22	66	107	2½x25½	85	218
1½x14¼	28½	75	1¾x10½	24½	86	2¼x23	69	214	2½x27	90	108
1½x14½	29	206	1¾x11	25⅞	88	2¼x24	72	107	2½x28	93⅓	113
1½x15	30	80	1¾x11½	26⅝	90	2¼x24½	73½	123	2½x28½	95	220
1½x15½	31	208	1¾x12	28	93	2¼x25	75	105	2½x30	100	115
1½x16	32	69	1¾x13½	31½	86	2¼x26	78	107	2¾x 3	11	46
1½x16½	33	88	1¾x14	32⅔	99	2¼x27	81	218	2¾x 3½	12⅝	47
1½x17	34	208	1¾x15	35	86	2¼x28	84	108	2¾x 4	14⅔	47
1½x17½	35	86	1¾x16	37⅓	99	2¼x29	87	218	2¾x 4½	16½	47
1½x18	36	95	1¾x18	42	99	2¼x30	90	108	2¾x 5	18⅓	47
1½x18½	37	208	1¾x20	46⅔	84	2½x 2½	8⅓	22	2¾x 6	22	54
1½x19	38	208	1¾x21	49	210	2½x 2¾	9⅙	46	2¾x 7	25⅔	88
1½x19½	39	208	1¾x22	51⅓	100	2½x 3	10	28	2¾x 8	29⅓	68
1½x20	40	83	1¾x24	56	98	2½x 3¼	10⅚	56	2¾x 9	33	88
1½x20½	41	210	1¾x25	58⅓	101	2½x 3½	11⅝	42	2¾x10	36⅔	82
1½x21	42	99	1¾x26	60⅔	100	2½x 3¾	12½	60	2¾x12	44	96
1½x21½	43	210	1¾x27	63	123	2½x 4	13⅓	37	2¾x14	51⅓	100
1½x22	44	96	1¾x27½	64⅛	101	2½x 4¼	14⅛	70	2¾x15	55	104
1½x22½	45	103	1¾x28	65⅓	100	2½x 4½	15	44	2¾x17½	64⅛	101

See explanation page 159.

16 Feet in Length.

Size.	Feet.	Page.	Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page
2¾x18	66	107	3½x22½	105	123	4½x 9½	57	212	5¾x12	92	220
2¾x21	77	216	3½x24	112	110	4½x10	60	98	6¼x 7	58⅜	101
2¾x24	88	109	3½x25	116⅔	115	4½x10½	63	123	6¼x 9	75	105
2¾x27	99	220	3¾x27	126	123	4½x11	66	107	6¼x10½	87½	102
3¼x 3½	15⅙	57	3½x27½	128⅓	123	4½x11½	69	214	6¼x12	100	115
3¼x 4	17⅓	57	3½x30	140	118	4½x12	72	107	6¼x14	116⅔	115
3¼x 4½	19½	57	3¾x 4	20	53	4½x12¼	73½	123	6½x 7½	65	104
3¼x 5	21⅝	57	3¾x 4½	22½	61	4½x12½	75	105	6⅔x 7	63	123
3¼x 6	26	206	3¾x 5	25	61	4½x13	78	107	6⅔x 8	72	107
3¼x 9	39	208	3¾x 6	30	80	4½x13½	81	218	6⅔x 9	81	218
3¼x10	43⅓	83	3¾x 7	35	86	4½x14	84	108	6⅔x10	90	108
3¼x12	52	97	3¾x 8	40	83	4½x14½	87	218	6⅔x11	99	220
3¼x14	60⅔	100	3¾x 9	45	103	4½x15	90	108	6⅔x14	126	123
3¼x15	65	104	3¾x10	50	84	4½x15½	93	220	6⅔x16	144	110
3¼x18	78	107	3¾x10½	52½	123	4½x16	96	110	7¼x 9	87	218
3¼x21	91	220	3¾x11	55	104	4½x16½	99	220	7½x 7½	75	105
3¼x24	104	110	3¾x12	60	98	4½x17½	105	123	7½x 8	80	109
3½x 3½	16⅓	59	3¾x13	65	104	4¾x20	120	110	7½x 8½	85	218
3½x 3¾	17½	61	3¾x14	70	101	4¾x21	126	123	7½x 9	90	108
3½x 4	18⅔	64	3¾x15	75	105	4¾x24	144	110	7½x 9½	95	220
3½x 4¼	19⅝	71	3¾x16	80	109	4¾x25	150	116	7½x10	100	115
3½x 4½	21	59	3¾x17	85	218	4¾x28	168	120	7½x10½	105	123
3½x 4¾	22⅙	75	3¾x18	90	108	4¾x30	180	118	7½x12	120	110
3½x 5	23⅓	78	3¾x19	95	220	4¾x 5	31⅔	75	7½x14	140	118
3½x 5¼	24½	86	3¾x20	100	115	4¾x 6	38	208	7½x15	150	116
3½x 5½	25⅔	88	3¾x21	105	123	4¾x 9	57	212	7½x16	160	111
3½x 5¾	26⅝	90	3¾x24	120	110	4¾x12	76	216	7½x18	180	118
3½x 6	28	93	3¾x28	140	118	4¾x15	95	220	7½x20	200	116
3½x 6¾	31½	86	3¾x30	150	116	5¼x 6	42	99	7½x24	240	115
3½x 7	32⅔	99	4¼x 4½	25½	71	5¼x 7	49	210	7½x28	280	119
3½x 7½	35	86	4¼x 5	28⅓	71	5¼x 8	56	98	7½x30	300	117
3½x 8	37⅓	99	4¼x 6	34	208	5¼x 9	63	123	7⅞x 9	93	220
3½x 9	42	99	4¼x 9	51	212	5¼x10	70	101	8¼x 9	99	220
3½x10	46⅔	84	4¼x12	68	214	5¼x10½	73½	123	8¼x12	136	110
3½x10½	49	210	4¼x15	85	218	5¼x11	77	216	8⅓x 9	105	123
3½x11	51⅛	100	4¼x24	136	110	5¼x12	84	108	8⅓x10	116⅔	115
3½x11¼	52½	123	4½x 4½	27	73	5¼x13	91	220	8⅓x10½	122½	123
3½x12	56	98	4½x 4¾	28½	75	5¼x14	98	220	8⅓x11	128⅓	123
3½x12½	58⅓	101	4½x 5	30	80	5¼x15	105	123	8⅓x12	140	118
3½x13	60⅔	100	4½x 5¼	31½	86	5¼x18	126	123	9½x12	152	111
3½x13½	63	123	4½x 5½	33	88	5¼x20	140	118	10½x12	168	120
3½x14	65⅓	100	4½x 5¾	34½	90	5¼x24	168	120	11¼x12	180	118
3½x15	70	101	4½x 6	36	95	5½x 6	44	96	12½x13	216⅔	116
3½x16	74⅔	111	4½x 6½	39	208	5½x 7½	55	104	12½x14	233⅓	117
3½x16½	77	216	4½x 7	42	99	5½x 9	66	107	12½x15	250	117
3½x17½	81⅔	102	4½x 7½	45	103	5½x10½	77	216	**17 Feet.**		
3½x18	84	108	4½x 8	48	97	5½x12	88	109			
3½x19½	91	220	4½x 8½	51	212	5½x13½	99	220	1 x 6	8½	70
3½x20	93⅓	113	4½x 8¾	52½	123	5⅔x 6	46	210	1 x 8	11⅓	70
3½x21	98	220	4½x 9	54	106	5¾x 9	69	214	1 x 9	12¾	

See explanation page 159.

17 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.
1 x10	14⅛	70	1½x32	68	214
1 x12	17	70	1⅝x 8	19⅝	71
1 x14	19⅝	71	2¼x 8	25½	71
1 x16	22⅝	71	2¼x16	51	212
1 x18	25½	71	2½x 4	14⅛	70
1 x20	28⅓	71	2½x 8	28⅓	71
1 x24	34	208	2½x24	85	218
2 x 3	8½	70	3½x 4	19⅝	71
2 x 4	11⅓	70	3⅝x16	85	218
2 x 5	14⅛	70	4½x 8	51	212
2 x 6	17	70	4½x16	102	
2 x 7	19⅝	71			
2 x 8	22⅝	71			
2 x 9	25½	71			
2 x10	28⅓	71			
2 x12	34	208			
2 x18	51	212			
2 x24	68	214			
2 x30	85	218			
3 x 4	17	70			
3 x 6	25½	71			
3 x 8	34	208			
3 x12	51	212			
3 x16	68	214			
3 x20	85	218			
3 x32	136	110			
4 x 4½	25½	71			
4 x 5	28⅓	71			
4 x 6	34	208			
4 x 9	51	212			
4 x12	68	214			
4 x15	85	218			
4 x24	136	110			
5 x12	85	218			
6 x 6	51	212			
6 x 8	68	214			
6 x10	85	218			
6 x16	136	110			
8 x12	136	110			
8 x30	340	119			
10 x24	340	119			
12 x20	340	119			
15 x16	340	119			
1¼x 8	14⅛	70			
1¼x16	28⅓	71			
1½x 4	8½	70			
1½x 8	17	70			
1½x12	25½	71			
1½x16	34	208			
1½x24	51	212			

18 Feet.

1 x 1	1½	6			
1 x 2	3	10			
1 x 3	4½	13			
1 x 4	6	19			
1 x 5	7½	22			
1 x 6	9	27			
1 x 7	10½	30			
1 x 8	12	36			
1 x 9	13½	39			
1 x10	15	44			
1 x11	16½	47			
1 x12	18	52			
1 x13	19½	57			
1 x14	21	59			
1 x15	22½	61			
1 x16	24	55			
1 x17	25½	71			
1 x18	27	73			
1 x19	28½	75			
1 x20	30	80			
1 x21	31½	86			
1 x22	33	88			
1 x23	34½	90			
1 x24	36	95			
1 x25	37½	97			
1 x26	39	208			
1 x28	42	99			
1 x30	45	103			
1 x32	48	97			
1 x34	51	212			
1 x36	54	106			
2 x 2	6	19			
2 x 2½	7½	22			
2 x 3	9	27			
2 x 3½	10½	30			
2 x 4	12	36			
2 x 4½	13½	39			
2 x 5	15	44			

18 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.
2 x 5½	16½	47	3 x21	94½	123
2 x 6	18	52	3 x22	99	220
2 x 7	21	59	3 x25	112½	
2 x 7½	22½	61	3 x28	126	123
2 x 8	24	55	3 x32	144	110
2 x 8½	25½	71	4 x 4	24	55
2 x 9	27	73	4 x 4½	25½	71
2 x 9½	28½	75	4 x 4½	27	73
2 x10	30	80	4 x 4¾	28½	75
2 x10½	31½	86	4 x 5	30	80
2 x11	33	88	4 x 5½	31½	86
2 x11½	34½	90	4 x 5½	33	88
2 x12	36	95	4 x 5¾	34½	90
2 x13	39	208	4 x 6	36	95
2 x14	42	99	4 x 6½	39	208
2 x15	45	103	4 x 7	42	99
2 x16	48	97	4 x 7½	45	103
2 x17	51	212	4 x 8	48	97
2 x18	54	106	4 x 8½	51	212
2 x19	57	212	4 x 9	54	106
2 x20	60	98	4 x 9½	57	212
2 x21	63	123	4 x10	60	98
2 x22	66	107	4 x10½	63	123
2 x23	69	214	4 x11	66	107
2 x24	72	107	4 x11½	69	214
2 x25	75	105	4 x12	72	107
2 x26	78	107	4 x12¼	73½	123
2 x27	81	218	4 x12½	75	105
2 x28	84	108	4 x13	78	107
2 x29	87	218	4 x13½	81	218
2 x30	90	108	4 x14	84	108
2 x31	93	220	4 x14½	87	218
2 x32	96	110	4 x15	90	108
2 x33	99	220	4 x15½	93	220
3 x 3	13½	39	4 x16	96	110
3 x 4	18	52	4 x16½	99	220
3 x 5	22½	61	4 x17½	105	123
3 x 6	27	73	4 x20	120	110
3 x 7	31½	86	4 x21	126	123
3 x 8	36	95	4 x24	144	110
3 x 9	40½		4 x25	150	116
3 x10	45	103	4 x28	168	120
3 x11	49½		4 x30	180	118
3 x12	54	106	5 x 6	45	103
3 x14	63	123	5 x 7	52½	123
3 x15	67½		5 x 8	60	98
3 x16	72	107	5 x10	75	105
3 x17	76½		5 x12	90	108
3 x18	81	218	5 x14	105	123
3 x20	90	108	5 x16	120	110

See explanation page 159.

18 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
5 x20	150	116	16 x20	480	122	3½x 4	21	59
5 x24	180	118	1¼x 4	7½	22	3½x 6	31½	86
5 x32	240	115	1¼x 8	15	44	3½x 8	42	99
6 x 6	54	106	1¼x12	22½	61	3½x10	52½	123
6 x 7	63	123	1¼x16	30	80	3½x12	63	123
6 x 8	72	107	1¼x24	45	103	3½x14	73½	123
6 x 9	81	218	1¼x28	52½	123	3½x16	84	108
6 x10	90	108	1¼x32	60	98	3½x18	94½	123
6 x14	126	123	1½x 2	4½	13	3½x20	105	123
6 x16	144	110	1½x 4	9	27	3½x24	126	123
6 x20	180	118	1½x 6	13½	39	3½x32	168	120
6 x24	216	120	1½x 8	18	52	3¾x 4	22½	61
6 x32	288	121	1½x10	22½	61	3¾x 8	45	103
7 x 7	73½	123	1½x12	27	73	3¾x16	90	108
7 x 8	84	108	1½x14	31½	86	3¾x32	180	118
7 x 9	94½	123	1½x16	36	95	4¼x 8	51	212
7 x10	105	123	1½x20	45	103	4½x 8	54	106
7 x12	126	123	1½x24	54	106	4½x12	81	218
7 x16	168	120	1½x28	63	123	4½x14	94½	123
8 x 8	96	110	1½x32	72	107	4¾x 8	57	212
8 x 8¼	99	220	1½x40	90	108	5¼x 8	63	123
8 x 8¾	105	123	1¾x 4	10½	30	5¼x16	126	123
8 x10	120	110	1¾x 8	21	59	5½x 8	66	107
8 x10½	126	123	1¾x12	31½	86	5½x12	99	220
8 x12	144	110	1¾x16	42	99	5¾x 8	69	214
8 x12½	150	116	1¾x20	52½	123	6¼x 8	75	105
8 x14	168	120	1¾x24	63	123	6½x 8	78	107
8 x15	180	118	1¾x28	73½	123	6¾x 8	81	218
8 x16	192	113	1¾x32	84	108	7¼x 8	87	218
8 x18	216	120	2¼x 4	13½	39	7½x 8	90	108
8 x20	240	115	2¼x 8	27	73			
8 x22	264	121	2¼x16	54	106			
8 x25	300	117	2½x24	81	218			
8 x26	312	121	2½x 4	15	44			
8 x28	336	121	2½x 6	22½	61			
8 x30	360	121	2½x 8	30	80			
9 x16	216	120	2½x12	45	103			
10 x12	180	118	2¾x14	52½	123			
10 x16	240	115	2½x16	60	98			
10 x20	300	117	2¾x20	75	105			
10 x24	360	121	2¾x24	90	108			
11 x16	264	121	2¾x28	105	123			
12 x12	216	120	2¾x32	120	110			
12 x20	360	121	2¾x 4	16½	47			
13 x16	312	121	2¾x 8	33	88			
14 x16	336	121	2¾x16	66	107			
15 x16	360	121	2¾x24	99	220			
16 x16	384	121	3¼x 4	19½	57			
16 x18	432	122	3¼x 8	39	208			
16 x19	456	122	3¼x16	78	107			

19 Feet in Length.

Size.	Feet.	Page.
2 x28	85⅓	111
3 x 4	19	74
3 x 6	28½	75
3 x 8	38	208
3 x12	57	212
3 x16	76	216
3 x20	95	220
3 x32	152	111
4 x 4	25⅓	75
4 x 4½	28½	75
4 x 5	31⅔	75
4 x 6	38	208
4 x 9	57	212
4 x12	76	216
4 x15	95	220
4 x24	152	111
5 x12	95	220
6 x 6	57	212
6 x 8	76	216
6 x10	95	220
6 x16	152	111
8 x12	152	111
8 x30	380	120
10 x24	380	120
12 x20	380	120
12 x24	456	122
15 x16	380	120
16 x18	456	122
1¼x 8	15⅔	74
1¼x16	31⅔	75
1½x 4	9½	74
1½x 8	19	74
1½x12	28½	75
1½x16	38	208
1½x24	57	212
1½x32	76	216
1¾x 8	22⅓	75
2¼x 8	28½	75
2¼x16	57	212
2½x 8	31⅔	75
4½x 8	57	212
7½x 8	95	220

19 Feet.

1 x 6	9½	74
1 x 8	12⅔	74
1 x10	15⅚	74
1 x12	19	74
1 x16	25⅓	75
1 x18	28½	75
1 x20	31⅔	75
1 x24	38	208
2 x 3	9½	74
2 x 4	12⅔	74
2 x 5	15⅚	74
2 x 6	19	74
2 x 8	25⅓	75
2 x 9	28½	75
2 x10	31⅔	75
2 x12	38	208
2 x18	57	212
2 x24	76	216

20 Feet.

1 x 1	1⅔	6
1 x 1½	2½	9
1 x 2	3⅓	8
1 x 2½	4⅙	21
1 x 3	5	14
1 x 4	6⅔	20

See explanation page 159.

18 ft.
19 & 20 ft.
21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of in.
End Meas't.
Key.
Meas'ment
1 to 2 in.
2 to 3 in.
3 to 4 in.
4 to 5 in.
5 to 6 in.
6 to 7 in.
7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

20 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet	Page	Size.	Feet	Page.
1 x 4½	7½	22	2 x 6	20	53	3 x20	100	115	5 x16	133⅓	116
1 x 5	8⅓	22	2 x 6½	21⅔	57	3 x21	105	123	5 x18	150	116
1 x 5½	9⅙	46	2 x 6¾	22½	61	3 x24	120	110	5 x20	166⅔	116
1 x 6	10	28	2 x 7	23⅓	78	3 x28	140	118	5 x22	183⅓	116
1 x 6½	10⅚	56	2 x 7½	25	61	3 x30	150	116	5 x24	200	116
1 x 7	11⅔	42	2 x 8	26⅔	67	3 x32	160	111	5 x26	216⅔	116
1 x 7½	12½	60	2 x 8½	28⅓	71	3 x36	180	118	5 x28	233⅓	117
1 x 8	13⅓	37	2 x 9	30	80	4 x 4	26⅔	67	5 x30	250	117
1 x 8½	14⅙	70	2 x 9½	31⅔	75	4 x 4¼	28⅓	71	5 x32	266⅔	115
1 x 9	15	44	2 x10	33⅓	81	4 x 4½	30	80	5 x34	283⅓	117
1 x 9½	15⅚	74	2 x10½	35	86	4 x 4¾	31⅔	75	5 x36	300	117
1 x10	16⅔	45	2 x11	36⅔	82	4 x 5	33⅓	81	6 x 6	60	98
1 x10½	17½	61	2 x11½	38⅓	90	4 x 5¼	35	86	6 x 6½	65	104
1 x11	18⅓	47	2 x12	40	83	4 x 5½	36⅔	82	6 x 7	70	101
1 x11½	19⅙	89	2 x13	43⅓	83	4 x 5¾	38⅓	90	6 x 7½	75	105
1 x12	20	53	2 x13½	45	103	4 x 6	40	83	6 x 8	80	109
1 x13	21⅔	57	2 x14	46⅔	84	4 x 6½	43⅓	83	6 x 8½	85	218
1 x13½	22½	61	2 x15	50	84	4 x 6¾	45	103	6 x 9	90	108
1 x14	23⅓	78	2 x16½	55	104	4 x 7	46⅔	84	6 x 9½	95	220
1 x15	25	61	2 x17½	58⅓	101	4 x 7½	50	84	6 x10	100	115
1 x16	26⅔	67	2 x18	60	98	4 x 8¼	55	104	6 x10½	105	123
1 x17	28⅓	71	2 x19½	65	104	4 x 8¾	58⅓	101	6 x12	120	110
1 x18	30	80	2 x21	70	101	4 x 9	60	98	6 x14	140	118
1 x19	31⅔	75	2 x22½	75	105	4 x 9¾	65	104	6 x15	150	116
1 x20	33⅓	81	2 x24	80	109	4 x10½	70	101	6 x16	160	111
1 x21	35	86	2 x27	90	108	4 x11¼	75	105	6 x18	180	118
1 x22	36⅔	82	2 x28	93⅓	113	4 x12	80	109	6 x20	200	116
1 x23	38⅓	90	2 x30	100	115	4 x12¼	81⅔	102	6 x22	220	118
1 x24	40	83	2 x32	106⅔	112	4 x12¾	85	218	6 x24	240	115
1 x26	43⅓	83	2 x36	120	110	4 x13½	90	108	6 x25	250	117
1 x27	45	103	3 x 3	15	44	4 x14	93⅓	113	6 x26	260	119
1 x28	46⅔	84	3 x 3½	17½	61	4 x14¼	95	220	6 x28	280	119
1 x30	50	84	3 x 4	20	53	4 x15	100	115	6 x30	300	117
1 x36	60	98	3 x 4½	22½	61	4 x16	106⅔	112	6 x32	320	119
2 x 2	6⅔	20	3 x 5	25	61	4 x18	120	110	6 x34	340	119
2 x 2¼	7½	22	3 x 6	30	80	4 x20	133⅓	116	6 x36	360	121
2 x 2½	8⅓	22	3 x 7	35	86	4 x21	140	118	7 x 9	105	123
2 x 2¾	9⅙	46	3 x 8	40	83	4 x22	146⅔	114	7 x10	116⅔	115
2 x 3	10	28	3 x 9	45	103	4 x24	160	111	7 x10½	122½	123
2 x 3½	10⅚	56	3 x10	50	84	4 x25	166⅔	116	7 x12	140	118
2 x 3½	11⅔	42	3 x10½	52½	123	4 x26	173⅓	114	7 x16	186⅔	114
2 x 3¾	12½	60	3 x11	55	104	4 x27	180	118	7 x24	280	119
2 x 4	13⅓	37	3 x12	60	98	4 x28	186⅔	114	8 x 8	106⅔	112
2 x 4¼	14⅙	70	3 x13	65	104	4 x30	200	116	8 x 8¾	116⅔	115
2 x 4½	15	44	3 x14	70	101	4 x32	213⅓	113	8 x 9	120	110
2 x 4¾	15⅚	74	3 x15	75	105	5 x 6	50	84	8 x10	133⅓	116
2 x 5	16⅔	45	3 x16	80	109	5 x 7	58⅓	101	8 x10½	140	118
2 x 5¼	17½	61	3 x17	85	218	5 x 9	75	105	8 x11	146⅔	114
2 x 5½	18⅓	47	3 x18	90	108	5 x12	100	115	8 x11¼	150	116
2 x 5¾	19⅙	89	3 x19	95	220	5 x14	116⅔	115	8 x12	160	111

See explanation page 159.

20 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
8 x12½	166⅔	116	1½x 4	10	28	3¼x 8	43⅓	83
8 x13	173⅓	114	1½x 5	12½	60	3¼x12	65	104
8 x13½	180	118	1½x 6	15	44	3¼x14	75⅝	102
8 x15	200	116	1½x 7	17½	61	3½x 4	23⅓	78
8 x16	213⅓	113	1½x 8	20	53	3½x 6	35	86
8 x17	226⅔	115	1½x 9	22½	61	3½x 8	46⅔	84
8 x18	240	115	1½x10	25	61	3½x 9	52½	123
8 x19	253⅓	115	1½x12	30	80	3½x10	58⅓	101
8 x20	266⅔	115	1½x14	35	86	3½x12	70	101
8 x21	280	119	1½x16	40	83	3½x14	81⅔	102
8 x24	320	119	1½x18	45	103	3½x15	87½	102
8 x25	333⅓	117	1½x20	50	84	3½x16	93⅓	113
8 x27	360	121	1½x22	55	104	3½x18	105	123
8 x30	400	120	1½x24	60	98	3½x19	110⅚	123
9 x10	150	116	1½x26	65	104	3½x20	116⅔	115
9 x12	180	118	1½x28	70	101	3½x21	122½	123
9 x16	240	115	1½x30	75	105	3½x22	128⅓	123
9 x20	300	117	1¾x 2	5⅚	22	3½x24	140	118
9 x24	360	121	1¾x 4	11⅔	42	3¾x 4	25	61
10 x10	166⅔	116	1¾x 6	17½	61	3¾x 8	50	84
10 x11	183⅓	116	1¾x 8	23⅓	78	3¾x12	75	105
10 x12	200	116	1¾x12	35	86	3¾x14	87½	102
10 x14	233⅓	117	1¾x16	46⅔	84	3¾x16	100	115
10 x15	250	117	1¾x18	52½	123	3¾x24	150	116
10 x16	266⅔	115	1¾x20	58⅓	101	4¼x12	85	218
10 x18	300	117	1⅞x24	70	101	4½x 6	45	103
10 x24	400	120	2¼x 4	15	44	4½x 8	60	98
11 x12	220	118	2¼x 6	22½	61	4½x10	75	105
12 x12	240	115	2¼x 8	30	80	4½x12	90	108
12 x13	260	119	2¼x12	45	103	4½x14	105	123
12 x14	280	119	2¼x14	52½	123	4½x16	120	110
12 x15	300	117	2¼x16	60	98	4½x20	150	116
12 x16	320	119	2¼x20	75	105	4¾x12	95	220
12 x17	340	119	2¼x24	90	108	5¼x 6	52½	123
12 x18	360	121	2¼x28	105	123	5¼x 8	70	101
12 x19	380	120	2½x 3	12½	60	5¼x12	105	123
12 x20	400	120	2½x 4	16⅔	45	5¼x14	122½	123
12 x24	480	122	2½x 6	25	61	5¼x16	140	118
15 x16	400	120	2½x 8	33⅓	81	5½x 6	55	104
16 x18	480	122	2½x12	50	84	5½x14	128⅓	123
1¼x 2	4⅙	21	2½x14	58⅓	101	6¾x 8	90	108
1¼x 4	8⅓	22	2½x18	75	105	7¼x 8	100	115
1¼x 6	12½	60	2½x20	83⅓		7½x12	150	116
1¼x 8	16⅔	45	2½x24	100	115			
1¼x12	25	61	2⅞x 4	18⅓	47			
1¼x16	33⅓	81	2⅞x 8	36⅔	82			
1¼x24	50	84	2⅞x12	55	104			
1¼x28	58⅓	101	2⅞x14	64⅛	101			
1½x 2	5	14	2⅞x28	128⅓	123			
1½x 3	7½	22	3¼x 4	21⅞	57			

21 Feet.

2 x 2	7	25
2 x 3	10½	30
2 x 4	14	50
2 x 5	17½	61
2 x 6	21	59

21 Feet in Length.

Size.	Feet.	Page
2 x 7	24½	86
2 x 8	28	93
2 x 9	31½	86
2 x10	35	86
2 x12	42	99
2 x14	49	210
2 x15	52½	123
2 x16	56	98
2 x18	63	123
2 x20	70	101
2 x22	77	216
2 x24	84	108
2 x26	91	220
3 x 4	21	59
3 x 6	31½	86
3 x 8	42	99
3 x10	52½	123
3 x12	63	123
3 x14	73½	123
3 x16	84	108
3 x18	94½	123
3 x20	105	123
3 x22	115½	123
3 x24	126	123
4 x 4	28	93
4 x 5	35	86
4 x 6	42	99
4 x 7	49	210
4 x 8	56	98
4 x 9	63	123
4 x10	70	101
4 x11	77	216
4 x12	84	108
4 x13	91	220
4 x14	98	220
4 x15	105	123
4 x16	112	110
4 x18	126	123
4 x20	140	118
4 x24	168	120
5 x 6	52½	123
5 x 8	70	101
5 x10	87½	102
5 x12	105	123
5 x14	122½	123
6 x 6	63	123
6 x 8	84	108
6 x 9	94½	123
6 x10	105	123
6 x11	115½	123

21 ft.
22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 in.
2 to 3 in.
3 to 4 in.
4 to 5 in.
5 to 6 in.
6 to 7 in.
7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

See explanation page 159.

21 Feet In Length.		
Size.	Feet	Page.
6 x12	126	123
6 x16	168	120
7 x 8	98	220
8 x 8	112	110
8 x 9	126	123
8 x10	140	118
8 x12	168	120
8 x20	280	119
8 x24	336	121
10 x16	280	119
12 x16	336	121
22 Feet.		
2 x 2	7⅓	46
2 x 3	11	46
2 x 4	14⅔	47
2 x 5	18⅓	47
2 x 6	22	54
2 x 7	25⅔	88
2 x 8	29⅓	68
2 x 9	33	88
2 x10	36⅔	82
2 x12	44	96
2 x14	51⅓	100
2 x15	55	104
2 x18	66	107
2 x21	77	216
2 x24	88	109
3 x 3	16½	47
3 x 4	22	54
3 x 6	33	88
3 x 8	44	96
3 x10	55	104
3 x12	66	107
3 x14	77	216
3 x16	88	109
3 x18	99	220
3 x21	115½	123
4 x 4	29⅓	68
4 x 5	36⅔	82
4 x 6	44	96
4 x 7	51⅓	100
4 x 9	66	107
4 x12	88	109
4 x16	117⅓	112
4 x20	146⅔	114
4 x23	168⅔	
4 x25	183⅓	116
4 x30	220	118
5 x 6	55	104

22 Feet In Length.		
Size.	Feet.	Page.
5 x 7	64⅛	101
5 x14	128⅓	123
5 x16	146⅔	114
5 x24	220	118
6 x 6	66	107
6 x 7	77	216
6 x 8	88	109
6 x 9	99	220
6 x20	220	118
6 x24	264	121
7 x 9	115½	123
7 x10	128⅓	123
8 x 8	117⅓	112
8 x10	146⅔	114
8 x15	220	118
8 x18	264	121
9 x16	264	121
10 x10	183⅓	116
10 x12	220	118
12 x12	264	121
23 Feet.		
2 x 3	11½	89
2 x 4	15⅓	89
2 x 5	19⅛	89
2 x 6	23	89
2 x 7	26⅝	90
2 x 8	30⅔	90
2 x 9	34½	90
2 x10	38⅓	90
2 x12	46	210
2 x18	69	214
2 x24	92	220
3 x 3	17¼	
3 x 4	23	89
3 x 6	34½	90
3 x 8	46	210
3 x12	69	214
3 x16	92	220
4 x 4	30⅔	90
4 x 5	38⅓	90
4 x 6	46	210
4 x 9	69	214
4 x12	92	220
6 x 6	69	214
6 x 8	92	220
24 Feet.		
2 x 2	8	26
2 x 3	12	36

24 Feet In Length.					
Size.	Feet.	Page.	Size.	Feet.	Page.
2 x 4	16	51	4 x10	80	109
2 x 5	20	53	4 x11	88	109
2 x 6	24	55	4 x12	96	110
2 x 7	28	93	4 x14	112	110
2 x 8	32	69	4 x15	120	110
2 x 9	36	95	4 x17	136	110
2 x10	40	83	4 x18	144	110
2 x11	44	96	4 x20	160	111
2 x12	48	97	4 x21	168	120
2 x13	52	97	4 x24	192	113
2 x14	56	98	4 x25	200	116
2 x15	60	98	4 x27	216	120
2 x16	64	109	4 x30	240	115
2 x17	68	214	5 x 5	50	84
2 x18	72	107	5 x 6	60	98
2 x19	76	216	5 x 7	70	101
2 x20	80	109	5 x 8	80	109
2 x21	84	108	5 x 9	90	108
2 x22	88	109	5 x12	120	110
2 x23	92	220	5 x14	140	118
2 x24	96	110	5 x15	150	116
2 x25	100	115	5 x16	160	111
2 x28	112	110	5 x18	180	118
2 x30	120	110	5 x20	200	116
3 x 3	18	52	5 x22	220	118
3 x 4	24	55	5 x24	240	115
3 x 5	30	80	5 x25	250	117
3 x 6	36	95	5 x26	260	119
3 x 7	42	99	5 x28	280	119
3 x 8	48	97	5 x30	300	117
3 x 9	54	106	6 x 6	72	107
3 x10	60	98	6 x 7	84	108
3 x11	66	107	6 x 8	96	110
3 x12	72	107	6 x10	120	110
3 x13	78	107	6 x12	144	110
3 x14	84	108	6 x14	168	120
3 x15	90	108	6 x15	180	118
3 x16	96	110	6 x16	192	113
3 x20	120	110	6 x18	216	120
3 x21	126	123	6 x20	240	115
3 x24	144	110	6 x22	264	121
3 x25	150	116	6 x25	300	117
3 x28	168	120	6 x26	312	121
3 x30	180	118	6 x28	336	121
4 x 4	32	69	6 x30	360	121
4 x 5	40	83	7 x 7	98	220
4 x 6	48	97	7 x 8	112	110
4 x 7	56	98	7 x 9	126	123
4 x 8	64	109	7 x10	140	118
4 x 9	72	107	7 x12	168	120

See explanation page 159.

24 Feet In Length.

Size.	Feet.	Page.
7 x20	280	119
7 x24	336	121
8 x 8	128	110
8 x 9	144	110
8 x10	160	111
8 x15	240	115
8 x20	320	119
8 x21	336	121
8 x24	384	121
8 x25	400	120
8 x27	432	122
8 x30	480	122
9 x10	180	118
9 x12	216	120
9 x20	360	121
9 x24	432	122
10 x10	200	116
10 x11	220	118
10 x12	240	115
10 x13	260	119
10 x14	280	119
10 x15	300	117
10 x16	320	119
10 x17	340	119
10 x18	360	121
10 x19	380	120
10 x20	400	120
10 x24	480	122
11 x12	264	121
12 x12	288	121
12 x13	312	121
12 x14	336	121
12 x15	360	121
12 x16	384	121
12 x17	408	122
12 x18	432	122
12 x19	456	122
12 x20	480	122
15 x16	480	122

25 Feet In Length.

Size.	Feet.	Page.
3 x 4	25	61
3 x 8	50	84
3 x12	75	105
3 x16	100	115
3 x24	150	116
4 x 4	33⅓	81
4 x 6	50	84
4 x 9	75	105
4 x12	100	115
4 x16	133⅓	116
4 x18	150	116
4 x20	166⅔	116
4 x22	183⅓	116
4 x24	200	116
4 x26	216⅔	116
4 x30	250	117
5 x16	166⅔	116
5 x24	250	117
6 x 6	75	105
6 x 7	87½	102
6 x 8	100	115
6 x12	150	116
6 x16	200	116
6 x20	250	117
7 x 8	116⅔	115
7 x16	233⅓	117
8 x 8	133⅓	116
8 x 9	150	116
8 x10	166⅔	116
8 x11	183⅓	116
8 x12	200	116
8 x13	216⅔	116
8 x14	233⅓	117
8 x15	250	117
8 x16	266⅔	115
8 x18	300	117
8 x20	333⅓	117
8 x24	400	120
9 x16	300	117
10 x12	250	117
10 x16	333⅓	117
12 x12	300	117
12 x16	400	120

26 Feet In Length.

Size.	Feet.	Page.
2 x 9	39	208
2 x10	43⅓	83
2 x12	52	97
2 x14	60⅔	100
2 x15	65	104
2 x18	78	107
2 x21	91	220
2 x24	104	110
3 x 3	19½	57
3 x 4	26	206
3 x 6	39	208
3 x 8	52	97
3 x10	65	104
3 x12	78	107
3 x14	91	220
3 x16	104	110
4 x 5	43⅓	83
4 x 6	52	97
4 x 7	60⅔	100
4 x 9	78	107
4 x12	104	110
4 x16	138⅔	112
4 x20	173⅓	114
4 x25	216⅔	116
5 x 6	65	104
5 x 7	75⅝	102
5 x16	173⅓	114
5 x20	216⅔	116
5 x24	260	119
6 x 6	78	107
6 x 7	91	220
6 x 8	104	110
6 x20	260	119
6 x24	312	121
8 x 8	138⅔	112
8 x10	173⅓	114
8 x15	260	119
8 x18	312	121
9 x16	312	121
10 x10	216⅔	116
10 x12	260	119
12 x12	312	121

27 Feet In Length.

Size.	Feet.	Page.
2 x10	45	103
2 x12	54	106
2 x14	63	123
2 x16	72	107
2 x18	81	218
2 x20	90	108
2 x21	94½	123
2 x22	99	220
2 x28	126	123
2 x32	144	110
3 x 4	27	73
3 x 8	54	106
3 x12	81	218
3 x14	94½	123
4 x 4	36	95
4 x 5	45	103
4 x 6	54	106
4 x 7	63	123
4 x 8	72	107
4 x 9	81	218
4 x10	90	108
4 x11	99	220
4 x14	126	123
4 x16	144	110
4 x20	180	118
4 x24	216	120
4 x32	288	121
5 x 8	90	108
5 x16	180	118
5 x32	360	121
6 x 6	81	218
6 x 7	94½	123
6 x16	216	120
7 x 8	126	123
8 x 8	144	110
8 x10	180	118
8 x12	216	120
8 x16	288	121
8 x20	360	121
8 x24	432	122
10 x16	360	121
12 x16	432	122

25 Feet.

2 x 2	8⅓	22
2 x 3	12½	60
2 x 4	16⅔	45
2 x 6	25	61
2 x 8	33⅓	81
2 x12	50	84
2 x24	100	115
2 x28	116⅔	115

26 Feet.

2 x 2	8⅔	56
2 x 3	13	56
2 x 4	17⅓	57
2 x 5	21⅔	57
2 x 6	26	206

27 Feet.

2 x 2	9	27
2 x 3	13½	39
2 x 4	18	52
2 x 5	22½	61
2 x 6	27	73
2 x 8	36	95

28 Feet.

1 x 4	9⅓	34
2 x 2	9⅓	34
2 x 3	14	50
2 x 4	18⅔	64
2 x 5	23⅓	78
2 x 6	28	93

See explanation page 159.

22 to 28 ft.
29 to 36 ft.
37 to 48 ft.
Rules.
Parts of In.
End Meas't.
Key.
Meas'ment
1 to 2 in.
2 to 3 in.
3 to 4 in.
4 to 5 in.
5 to 6 in.
6 to 7 in.
7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

28 Feet in Length.

Size.	Feet.	Page.
2 x 7	32⅔	99
2 x 8	37⅓	99
2 x 9	42	99
2 x10	46⅔	84
2 x12	56	98
2 x14	65⅓	100
2 x16	74⅔	111
2 x18	84	108
2 x20	93⅓	113
2 x21	98	220
2 x24	112	110
2 x30	140	118
3 x 3	21	59
3 x 4	28	93
3 x 5	35	86
3 x 6	42	99
3 x 7	49	210
3 x 8	56	98
3 x 9	63	123
3 x10	70	101
3 x11	77	216
3 x12	84	108
3 x13	91	220
3 x14	98	220
3 x15	105	123
3 x16	112	110
3 x18	126	123
3 x20	140	118
3 x24	168	120
4 x 4	37⅓	99
4 x 5	46⅔	84
4 x 6	56	98
4 x 7	65⅓	100
4 x 8	74⅔	111
4 x 9	84	108
4 x10	93⅓	113
4 x12	112	110
4 x15	140	118
4 x18	168	120
4 x25	233⅓	117
4 x30	280	119
4 x36	336	121
5 x 5	58⅓	101
5 x 6	70	101
5 x 8	93⅓	113
5 x 9	105	123
5 x10	116⅔	115
5 x11	128⅓	123
5 x12	140	118
5 x16	186⅔	114
5 x20	233⅓	117
5 x24	280	119
6 x 6	84	108
6 x 7	98	220
6 x 8	112	110
6 x 9	126	123
6 x10	140	118
6 x12	168	120
6 x20	280	119
6 x24	336	121
8 x 8	149⅓	112
8 x 9	168	120
8 x10	186⅔	114
8 x15	280	119
8 x18	336	121
9 x16	336	121
10 x10	233⅓	117
10 x12	280	119

29 Feet.

Size.	Feet.	Page.
2 x 6	29	206
2 x12	58	212
3 x 4	29	206
3 x 8	58	212
3 x12	87	218
4 x 6	58	212
4 x 9	87	218
6 x 6	87	218

30 Feet.

Size.	Feet.	Page.
2 x 2	10	28
2 x 3	15	44
2 x 4	20	53
2 x 5	25	61
2 x 6	30	80
2 x 7	35	86
2 x 8	40	83
2 x 9	45	103
2 x10	50	84
2 x11	55	104
2 x12	60	98
2 x13	65	104
2 x14	70	101
2 x15	75	105
2 x16	80	109
2 x17	85	218
2 x18	90	108
2 x19	95	220
2 x20	100	115
2 x21	105	123

30 Feet in Length.

Size.	Feet.	Page.
2 x24	120	110
2 x28	140	118
2 x30	150	116
3 x 3	22½	61
3 x 4	30	80
3 x 6	45	103
3 x 7	52½	123
3 x 8	60	98
3 x10	75	105
3 x12	90	108
3 x14	105	123
3 x16	120	110
3 x20	150	116
3 x24	180	118
4 x20	200	116
4 x22	220	118
4 x24	240	115
4 x25	250	117
4 x26	260	119
4 x28	280	119
4 x30	300	117
5 x 6	75	105
5 x 8	100	115
5 x12	150	116
5 x16	200	116
5 x20	250	117
5 x24	300	117
6 x 6	90	108
6 x 7	105	123
6 x 8	120	110
6 x10	150	116
6 x12	180	118
6 x16	240	115
6 x20	300	117
6 x24	360	121
7 x 8	140	118
7 x16	280	119
8 x 8	160	111
8 x 9	180	118
8 x10	200	116
8 x11	220	118
8 x12	240	115
8 x13	260	119
8 x14	280	119
8 x15	300	117
8 x16	320	119
8 x17	340	119
8 x18	360	121
8 x19	380	120
8 x20	400	120
8 x24	480	122
9 x16	360	121
10 x12	300	117
10 x16	400	120
12 x12	360	121
12 x16	480	122

31 Feet.

Size.	Feet.	Page.
2 x 6	31	208
2 x12	62	214
2 x18	93	220
3 x 4	31	208
3 x 8	62	214
3 x12	93	220
4 x 6	62	214
4 x 9	93	220
6 x 6	93	220

32 Feet.

Size.	Feet.	Page.
2 x 2	10⅔	35
2 x 3	16	51
2 x 4	21⅓	65
2 x 5	26⅔	67
2 x 6	32	69
2 x 9	48	97
2 x12	64	109
2 x14	74⅔	111
2 x15	80	109
2 x16	85⅓	111
2 x18	96	110
2 x21	112	110
2 x22	117⅓	112
2 x24	128	110
2 x25	133⅓	116
2 x26	138⅔	112
3 x 3	24	55
3 x 4	32	69
3 x 5	40	83
3 x 6	48	97
3 x 7	56	98
3 x 8	64	109
3 x 9	72	107
3 x10	80	109
3 x11	88	109
3 x12	96	110
3 x13	104	110
3 x14	112	110
3 x15	120	110
3 x16	128	110
3 x17	136	110

See explanation page 159.

32 Feet in Length.

Size.	Feet.	Page.
3 x18	144	110
3 x19	152	111
3 x20	160	111
3 x21	168	120
3 x24	192	113
3 x25	200	116
3 x27	216	120
3 x30	240	115
4 x 6	64	109
4 x 7	74⅔	111
4 x 8	85⅓	111
4 x 9	96	110
4 x10	106⅔	112
4 x11	117⅓	112
4 x12	128	110
4 x13	138⅔	112
4 x15	160	111
4 x18	192	113
4 x25	266⅔	115
4 x27	288	121
4 x30	320	119
5 x 6	80	109
5 x 7	93⅓	113
5 x 8	106⅔	112
5 x 9	120	110
5 x10	133⅓	116
5 x11	146⅔	114
5 x12	160	111
5 x13	173⅓	114
5 x14	186⅔	114
5 x15	200	116
5 x16	213⅓	115
5 x17	226⅔	115
5 x18	240	115
5 x19	253⅓	115
5 x20	266⅔	115
5 x21	280	119
5 x24	320	119
5 x25	333⅓	117
5 x27	360	121
5 x30	400	120
6 x 6	96	110
6 x 7	112	110
6 x 8	128	110
6 x 9	144	110
6 x10	160	111
6 x12	192	113
6 x15	240	115
6 x20	320	119
6 x21	336	121
6 x24	384	121
6 x25	400	120
6 x27	432	122
6 x30	480	122
7 x 8	149⅓	112
7 x 9	168	120
7 x10	186⅔	114
7 x15	280	119
7 x18	336	121
8 x 9	192	113
8 x10	213⅓	115
8 x15	320	119
8 x18	384	121
9 x11	264	121
9 x12	288	121
9 x13	312	121
9 x14	336	121
9 x15	360	121
9 x16	384	121
9 x17	408	122
9 x18	432	122
9 x19	456	122
9 x20	480	122
10 x10	266⅔	115
10 x12	320	119
10 x15	400	120
10 x18	480	122
12 x12	384	121
12 x15	480	122

33 Feet.

Size.	Feet.	Page.
2 x 2	11	46
2 x 3	16½	47
2 x 4	22	54
2 x 6	33	88
2 x 8	44	96
2 x10	55	104
2 x12	66	107
2 x14	77	216
2 x16	88	109
2 x18	99	220
2 x21	115½	123
3 x 4	33	88
3 x 8	66	107
3 x12	99	220
3 x14	115½	123
4 x 4	44	96
4 x 5	55	104
4 x 6	66	107
4 x 7	77	216

33 Feet in Length.

Size.	Feet.	Page.
4 x 8	88	109
4 x 9	99	220
4 x20	220	118
4 x24	264	121
5 x16	220	118
6 x 6	99	220
6 x 7	115½	123
6 x16	264	121
8 x10	220	118
8 x12	264	121

34 Feet.

2 x 2	11⅓	42
2 x 3	17	70
2 x 4	22⅔	71
2 x 5	28⅓	71
2 x 6	34	208
2 x 9	51	212
2 x12	68	214
2 x15	85	218
2 x24	136	110
3 x 3	25½	71
3 x 4	34	208
3 x 6	51	212
3 x 8	68	214
3 x10	85	218
3 x16	136	110
4 x 6	68	214
4 x12	136	110
4 x16	181⅓	113
4 x20	226⅔	115
4 x30	340	119
4 x36	408	122
5 x 6	85	218
5 x16	226⅔	115
5 x24	340	119
6 x 8	136	110
6 x20	340	119
6 x24	408	122
8 x 8	181⅓	113
8 x10	226⅔	115
8 x15	340	119
8 x18	408	122
9 x16	408	122
10 x10	283⅓	117
10 x12	340	119
12 x12	408	122

35 Feet.

2 x 2	11⅔	42

35 Feet in Length.

Size.	Feet.	Page.
2 x 3	17½	61
2 x 4	23⅓	78
2 x 6	35	86
2 x 8	46⅔	84
2 x 9	52½	123
2 x10	58⅓	101
2 x11	64⅙	101
2 x12	70	101
2 x13	75⅚	102
2 x14	81⅔	102
2 x15	87½	102
2 x16	93⅓	113
2 x18	105	123
2 x19	110⅚	123
2 x20	116⅔	115
2 x21	122½	123
2 x22	128⅓	123
2 x23	134⅙	123
2 x24	140	118
2 x32	186⅔	114
3 x 4	35	86
3 x 6	52½	123
3 x 8	70	101
3 x10	87½	102
3 x12	105	123
3 x16	140	118
4 x 4	46⅔	84
4 x 5	58⅓	101
4 x 6	70	101
4 x 7	81⅔	102
4 x 8	93⅓	113
4 x 9	105	123
4 x10	116⅔	115
4 x11	128⅓	123
4 x12	140	118
4 x16	186⅔	114
4 x20	233⅓	117
4 x24	280	119
5 x 6	87½	102
5 x 8	116⅔	115
5 x16	233⅓	117
6 x 6	105	123
6 x 7	122½	123
6 x 8	140	118
6 x16	280	119
8 x10	233⅓	117
8 x12	280	119

36 Feet.

2 x 2	12	36

29 to 36 ft.
37 to 48 ft.
Rules. Parts of In. End Meas't. Key. Meas'ment
1 to 2 In.
2 to 3 In.
3 to 4 In.
4 to 5 In.
5 to 6 In.
6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In.
11 to 12 In.
Log Scales.

See explanation page 159.

36 Feet in Length

Size.	Feet.	Page.
2 x 3	18	52
2 x 4	24	55
2 x 5	30	80
2 x 6	36	95
2 x 7	42	99
2 x 8	48	97
2 x 9	54	106
2 x10	60	98
2 x11	66	107
2 x12	72	107
2 x13	78	107
2 x14	84	108
2 x15	90	108
2 x16	96	110
2 x20	120	110
2 x21	126	123
2 x24	144	110
2 x28	168	120
2 x30	180	118
3 x 3	27	73
3 x 4	36	95
3 x 5	45	103
3 x 6	54	106
3 x 7	63	123
3 x 8	72	107
3 x 9	81	218
3 x10	90	108
3 x11	99	220
3 x14	126	123
3 x16	144	110
3 x20	180	118
3 x24	216	120
4 x 4	48	97
4 x 5	60	98
4 x 6	72	107
4 x 7	84	108
4 x 8	96	110
4 x10	120	110
4 x12	144	110
4 x14	168	120
4 x15	180	118
4 x16	192	113
4 x18	216	120
4 x20	240	115
4 x22	264	121
4 x25	300	117
4 x26	312	121
4 x28	336	121
4 x30	360	121
5 x 5	75	105
5 x 6	90	108
5 x 7	105	123
5 x 8	120	110
5 x10	150	116
5 x12	180	118
5 x16	240	115
5 x20	300	117
5 x24	360	121
6 x 7	126	123
6 x 8	144	110
6 x10	180	118
6 x12	216	120
6 x20	360	121
6 x24	432	122
7 x 8	168	120
7 x16	336	121
8 x 9	216	120
8 x10	240	115
8 x11	264	121
8 x13	312	121
8 x14	336	121
8 x15	360	121
8 x16	384	121
8 x17	408	122
8 x18	432	122
8 x19	456	122
8 x20	480	122
9 x16	432	122
10 x10	300	117
10 x12	360	121
10 x16	480	122

37 Feet.

Size.	Feet.	Page.
2 x 6	37	208
2 x12	74	216
3 x 4	37	208
3 x 8	74	216
4 x 6	74	216

38 Feet.

Size.	Feet.	Page.
2 x 2	12⅔	74
2 x 3	19	74
2 x 4	25⅓	75
2 x 5	31⅔	75
2 x 6	38	208
2 x 9	57	212
2 x12	76	216
2 x15	95	220
2 x24	152	111
2 x29	183⅔	

38 Feet in Length.

Size.	Feet.	Page.
3 x 3	28½	75
3 x 4	38	208
3 x 6	57	212
3 x 8	76	216
3 x10	95	220
3 x16	152	111
4 x 6	76	216
4 x12	152	111
4 x30	380	120
5 x 6	95	220
5 x16	253⅓	115
5 x24	380	120
6 x 8	152	111
6 x20	380	120
8 x15	380	120
8 x18	456	122
10 x12	380	120

39 Feet.

Size.	Feet.	Page.
2 x 2	13	56
2 x 3	19½	57
2 x 4	26	206
2 x 6	39	208
2 x 8	52	97
2 x10	65	104
2 x12	78	107
2 x14	91	220
2 x16	104	110
3 x 4	39	208
3 x 8	78	107
4 x 4	52	97
4 x 5	65	104
4 x 6	78	107
4 x 7	91	220
4 x 8	104	110
4 x20	260	119
4 x24	312	121
5 x16	260	119
6 x16	312	121
8 x10	260	119
8 x12	312	121

40 Feet.

Size.	Feet.	Page.
2 x 2	13⅓	37
2 x 3	20	53
2 x 4	26⅔	67
2 x 5	33⅓	81
2 x 6	40	83
2 x 7	46⅔	84
2 x 9	60	98

40 Feet in Length.

Size.	Feet.	Page.
2 x12	80	109
2 x15	100	115
2 x16	106⅔	112
2 x18	120	110
2 x20	133⅓	116
2 x21	140	118
2 x22	146⅔	114
2 x24	160	111
2 x25	166⅔	116
2 x26	173⅓	114
2 x27	180	118
2 x28	186⅔	114
2 x30	200	116
3 x 3	30	80
3 x 4	40	83
3 x 5	50	84
3 x 6	60	98
3 x 7	70	101
3 x 8	80	109
3 x 9	90	108
3 x10	100	115
3 x12	120	110
3 x14	140	118
3 x16	160	111
3 x18	180	118
3 x20	200	116
3 x22	220	118
3 x24	240	115
3 x26	260	119
3 x28	280	119
3 x30	300	117
4 x 6	80	109
4 x 7	93⅓	113
4 x 8	106⅔	112
4 x 9	120	110
4 x10	133⅓	116
4 x11	146⅔	114
4 x12	160	111
4 x13	173⅓	114
4 x14	186⅔	114
4 x15	200	116
4 x16	213⅓	113
4 x17	226⅔	115
4 x18	240	115
4 x20	266⅔	115
4 x21	280	119
4 x24	320	119
4 x25	333⅓	117
4 x27	360	121
4 x30	400	120

See explanation page 159.

40 Feet in Length.		
Size.	Feet.	Page.
5 x 6	100	115
5 x 7	116⅔	115
5 x 8	133⅓	116
5 x 9	150	116
5 x10	166⅔	116
5 x11	183⅓	116
5 x12	200	116
5 x13	216⅔	116
5 x14	233⅓	117
5 x15	250	117
5 x16	266⅔	115
5 x17	283⅓	117
5 x18	300	117
5 x20	333⅓	117
5 x24	400	120
6 x 6	120	110
6 x 7	140	118
6 x 8	160	111
6 x 9	180	118
6 x10	200	116
6 x11	220	118
6 x12	240	115
6 x13	260	119
6 x14	280	119
6 x15	300	117
6 x16	320	119
6 x17	340	119
6 x18	360	121
6 x19	380	120
6 x20	400	120
6 x24	480	122
7 x 8	186⅔	114
7 x10	233⅓	117
7 x12	280	119
8 x 9	240	115
8 x10	266⅔	115
8 x12	320	119
8 x15	400	120
8 x18	480	122
9 x10	300	117
9 x12	360	121
9 x16	480	122
10 x12	400	120
12 x12	480	122

41 Feet.		
2 x 6	41	210
2 x12	82	218
3 x 4	41	210
3 x 8	82	218

41 Feet In Length.		
Size.	Feet.	Page.
4 x 6	82	218

42 Feet.		
2 x 2	14	50
2 x 3	21	59
2 x 4	28	93
2 x 5	35	86
2 x 6	42	99
2 x 7	49	210
2 x 8	56	98
2 x 9	63	123
2 x10	70	101
2 x11	77	216
2 x12	84	108
2 x13	91	220
2 x14	98	220
2 x15	105	123
2 x16	112	110
2 x18	126	123
2 x20	140	118
2 x24	168	120
3 x 3	31½	86
3 x 4	42	99
3 x 5	52½	123
3 x 6	63	123
3 x 8	84	108
3 x 9	94½	123
3 x10	105	123
3 x11	115½	123
3 x12	126	123
3 x16	168	120
4 x 4	56	98
4 x 5	70	101
4 x 6	84	108
4 x 7	98	220
4 x 8	112	110
4 x 9	126	123
4 x10	140	118
4 x12	168	120
4 x20	280	119
4 x24	336	121
5 x 6	105	123
5 x 7	122½	123
5 x 8	140	118
5 x16	280	119
6 x 6	126	123
6 x 8	168	120
6 x16	336	121
8 x10	280	119
8 x12	336	121

43 Feet In Length.		
Size.	Feet.	Page.
2 x 6	43	210
2 x12	86	218
3 x 4	43	210
3 x 8	86	218
4 x 6	86	218

44 Feet.		
2 x 2	14⅔	47
2 x 3	22	54
2 x 4	29⅓	68
2 x 5	36⅔	82
2 x 6	44	96
2 x 7	51⅓	100
2 x 9	66	107
2 x12	88	109
2 x16	117⅓	112
2 x20	146⅔	114
2 x25	183⅓	116
3 x 3	33	88
3 x 4	44	96
3 x 5	55	104
3 x 6	66	107
3 x 7	77	216
3 x 8	88	109
3 x 9	99	220
3 x20	220	118
3 x24	264	121
4 x 6	88	109
4 x 8	117⅓	112
4 x10	146⅔	114
4 x18	264	121
5 x 7	128½	123
5 x 8	146⅔	114
5 x12	220	118
6 x10	220	118
6 x12	264	121
8 x 9	264	121

45 Feet.		
2 x 2	15	44
2 x 3	22½	61
2 x 4	30	80
2 x 6	45	103
2 x 7	52½	123
2 x 8	60	98
2 x10	75	105
2 x12	90	108
2 x14	105	123
2 x16	120	110
2 x20	150	116

45 Feet in Length.		
Size.	Feet.	Page.
2 x24	180	118
3 x 4	45	103
3 x 8	90	108
3 x16	180	118
4 x 4	60	98
4 x 5	75	105
4 x 6	90	108
4 x 7	105	123
4 x 8	120	110
4 x10	150	116
4 x12	180	118
4 x16	240	115
4 x20	300	117
4 x24	360	121
5 x 8	150	116
5 x16	300	117
6 x 8	180	118
6 x16	360	121
8 x 8	240	115
8 x10	300	117
8 x12	360	121
8 x16	480	122

46 Feet.		
2 x 2	15⅓	89
2 x 3	23	89
2 x 5	38⅓	90
2 x 6	46	210
2 x 9	69	214
2 x12	92	220
3 x 3	34½	90
3 x 4	46	210
3 x 6	69	214
3 x 8	92	220
4 x 6	92	220

47 Feet.		
2 x 6	47	210
2 x12	94	220
3 x 4	47	210
3 x 8	94	220
4 x 6	94	220

48 Feet.		
2 x 2	16	51
2 x 3	24	55
2 x 4	32	69
2 x 5	40	83
2 x 6	48	97
2 x 7	56	98

See explanation page 159.

48 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x 8	64	109	4 x 9	144	110	6 x17	408	122
2 x 9	72	107	4 x10	160	111	6 x18	432	122
2 x10	80	109	4 x12	192	113	6 x19	456	122
2 x11	88	109	4 x15	240	115	6 x20	480	122
2 x12	96	110	4 x18	288	121	7 x10	280	119
2 x13	104	110	4 x20	320	119	7 x12	336	121
2 x14	112	110	4 x21	336	121	8 x12	384	121
2 x15	120	110	4 x24	384	121	8 x15	480	122
2 x17	136	110	4 x25	400	120	9 x10	360	121
2 x18	144	110	4 x27	432	122	9 x12	432	122
2 x20	160	111	4 x30	480	122	10 x12	480	122
2 x21	168	120	5 x 5	100	115			
2 x24	192	113	5 x 6	120	110			
2 x25	200	116	5 x 7	140	118			
2 x30	240	115	5 x 8	160	111			
3 x 3	36	95	5 x 9	180	118			
3 x 4	48	97	5 x10	200	116			
3 x 5	60	98	5 x11	220	118			
3 x 6	72	107	5 x12	240	115			
3 x 7	84	108	5 x13	260	119			
3 x 8	96	110	5 x14	280	119			
3 x10	120	110	5 x15	300	117			
3 x12	144	110	5 x16	320	119			
3 x14	168	120	5 x17	340	119			
3 x15	180	118	5 x18	360	121			
3 x16	192	113	5 x19	380	120			
3 x18	216	120	5 x20	400	120			
3 x20	240	115	5 x24	480	122			
3 x22	264	121	6 x 6	144	110			
3 x24	288	121	6 x 7	168	120			
3 x25	300	117	6 x 8	192	113			
3 x26	312	121	6 x 9	216	120			
3 x28	336	121	6 x10	240	115			
3 x30	360	121	6 x11	264	121			
4 x 4	64	109	6 x12	288	121			
4 x 5	80	109	6 x13	312	121			
4 x 6	96	110	6 x14	336	121			
4 x 7	112	110	6 x15	360	121			
4 x 8	128	110	6 x16	384	121			

49 Feet.

2 x 2	16⅓	59
2 x 3	24½	86
2 x 6	49	210
2 x12	98	220
2 x15	122½	123
3 x 4	49	210
3 x 8	98	220
3 x10	122½	123
4 x 6	98	220
5 x 6	122½	123

50 Feet.

2 x 2	16⅔	45
2 x 3	25	61
2 x 4	33⅓	81
2 x 6	50	84
2 x 7	58⅓	101
2 x 9	75	105
2 x12	100	115
2 x14	116⅔	115
2 x16	133⅓	116
2 x18	150	116
2 x20	166⅔	116
2 x22	183⅓	116
2 x24	200	116
2 x26	216⅔	116

50 Feet in Length.

Size.	Feet.	Page.
2 x28	233⅓	117
2 x30	250	117
3 x 4	50	84
3 x 6	75	105
3 x 7	87½	102
3 x 8	100	115
3 x12	150	116
3 x16	200	116
3 x20	250	117
3 x24	300	117
4 x 6	100	115
4 x 7	116⅔	115
4 x 8	133⅓	116
4 x 9	150	116
4 x10	166⅔	116
4 x11	183⅓	116
4 x12	200	116
4 x13	216⅔	116
4 x14	233⅓	117
4 x15	250	117
4 x16	266⅔	115
4 x18	300	117
4 x20	333⅓	117
4 x24	400	120
5 x 8	166⅔	116
5 x12	250	117
5 x16	333⅓	117
6 x 6	150	116
6 x 8	200	116
6 x10	250	117
6 x12	300	117
6 x16	400	120
7 x 8	233⅓	117
8 x 9	300	117
8 x10	333⅓	117
8 x12	400	120

See explanation page 159.

SURVEYING WITHOUT BOARD RULE.

Lumber.

1 inch thick—1/12 the length multiplied by the width.
2 inch thick—1/6 the length multiplied by the width.
3 inch thick—1/4 the length multiplied by the width.
4 inch thick—1/3 the length multiplied by the width.
5 inch thick—5/12 the length multiplied by the width.
6 inch thick—1/2 the length multiplied by the width.
7 inch thick—7/12 the length multiplied by the width.
8 inch thick—2/3 the length multiplied by the width.
9 inch thick—3/4 the length multiplied by the width.
10 inch thick—5/6 the length multiplied by the width.
11 inch thick—11/12 the length multiplied by the width.
12 inch thick—the length multiplied by the width.

This gives contents in feet.

Parts of an Inch.

1/16 2/32	1/8 4/32	3/16 6/32	1/4 8/32	5/16 10/32	3/8 12/32	7/16 14/32	1/2 16/32
.0625	.125	.1875	.25	.3125	.375	.4375	.5

9/16 18/32	5/8 20/32	11/16 22/32	3/4 24/32	13/16 26/32	7/8 28/32	15/16 30/32
.5625	.625	.6875	.75	.8125	.875	.9375

End Measurement.

SHOWING THE NUMBER OF FEET, BOARD MEASURE, PER LINEAL FOOT.

End Size in Inches.	Feet Board Measure.	End Size in Inches.	Feet Board Measure.	End Size in Inches.	Feet Board Measure.
1 x 1	1/12	2 x 4	2/3	6 x 6	3
1 x 2	1/6	2 x 6	1	6 x 8	4
1 x 3	1/4	2 x 8	1 1/3	6 x 10	5
1 x 4	1/3	2 x 10	1 2/3	6 x 12	6
1 x 5	5/12	2 x 12	2	6 x 14	7
1 x 6	1/2	2 x 14	2 1/3	8 x 8	5 1/3
1 x 7	7/12	2 x 15	2 1/2	8 x 10	6 2/3
1 x 8	2/3	3 x 6	1 1/2	8 x 12	8
1 x 9	3/4	3 x 8	2	8 x 14	9 1/3
1 x 10	5/6	3 x 10	2 1/2	10 x 10	8 1/3
1 x 11	1 1/12	3 x 12	3	10 x 12	10
1 x 12	1	3 x 14	3 1/2	10 x 14	11 2/3
1 x 13	1 1/12	3 x 16	4	12 x 12	12
1 x 14	1 1/6	4 x 4	1 1/3	12 x 14	14
1 x 15	1 1/4	4 x 8	2 2/3	12 x 15	15
1 x 16	1 1/3	4 x 10	3 1/3	12 x 16	16
1 x 18	1 1/2	4 x 12	4	12 x 18	18

AMPHIA LUMBER KEY

For Figuring Small Fractional Sizes, Etc., Etc.

Reduce the length, breadth and thickness to the lowest fractional size, and if 32nds divide by 4.718.592

"	"	16ths	"	" 589.824
"	"	8ths	"	" 73.728
"	"	4ths	"	" 9.216
"	"	½ in.	"	" 1.152
"	"	1 in.	"	" 144
"	"	12ths	"	" 248.832
"	"	6ths	"	" 31.104
"	"	3rds	"	" 3.828

The answers will be in feet or fractions thereof when the amounts are in even inches. To reduce to cubic feet divide by 1728. Always be sure to reduce to lowest fraction given in the size you wish to find. For a piece 3⅝ in. x 7$\frac{3}{32}$ in.—18 in., you would reduce all to 32nds and divide by the Key number, 4.718.592, which would give you the exact amount contained in one piece of that size.

Example:—To find the contents of one piece ¾ in. thick, 5¾ in. wide, 18 in. long, first reduce to 4ths (or quarter inches.)

5¾ in. equals 23—4ths.
¾ in. " 3— "

69
18 in. " 72— " .

138
483

$72\overline{)4968}\left(\begin{matrix}69\\ \overline{9216}\end{matrix}\right.$ 128ths of one foot in one piece. For 50 pieces multiply 69x50=3450 and divide by 128)3450(26 ft. and $\frac{61}{64}$ of one foot.

256

890
768

$2\overline{)122}\left(\begin{matrix}61\\ \overline{128}\end{matrix}\right.$

TABLE OF MEASUREMENTS.

See pages No. 204 to 225 for "Table of Measurements" for figuring short and narrow Flooring, Ceiling, Siding, Mouldings, Etc., Etc.

Example:—Suppose you wish to find the contents of one piece 1x1½ in.—7½ ft.; see page 204, run down margin figures to 7½ ft., then opposite and under 1x1½ in., and you find $\frac{15}{16}$ths of one foot, the answer. For one piece 1x1¼ in. 16 feet, same page, you find the answer, 1⅔ feet. These are the Handiest Measurements ever gotten out for the Manufacturers of Flooring, Boxes, Etc., and especially so for those who handle Flooring, Ceiling, Siding, Mouldings, Etc., in odd lengths and sizes and in bundles. The amount in bundle can readily be obtained by multiplying the number of pieces by the amount here given for one piece. To find the contents for ⅞ in. thick deduct ⅛ from the total amount; if ¾ in. deduct ¼ from total amount, etc. If for 1⅛ in., add ⅛ to total amount; if 1¼ in., add one-fourth to amount, etc. To find contents of larger sizes. Example:—One piece 3x3⅜ in.—14 ft. First find the amount in one piece 1x3⅜ in. 14 feet. See page 208, run down margin figures to 14 ft., then opposite under 1x3⅜ in. and you find $\frac{315}{16}$ ft.; multiply this by 3 and you have 11 and $\frac{13}{16}$ feet in one piece 3x3⅜ in. 14 ft. Any size desired can be obtained in a moment's time by this method.

EXAMPLES FOR TABLE OF MEASUREMENTS—Continued.

Suppose you wish to find the number of feet contained in 8 pieces (or one bundle containing 8 pieces) Flooring 1x1¼ in. 10 ft. See page 204, run down margin figures to 10 ft., then opposite under 1x1¼ in. at top margin and you find 1$\frac{1}{24}$ ft. for one piece. For the 8 pieces multiply this by 8,

$$\begin{array}{r} 1\frac{1}{24} \\ 8 \\ \hline 8\frac{1}{24}, \end{array}$$

which equals 8⅓ ft.

Another example:—Suppose you wish to find the amount in 7 pieces 1x3⅜ in. 8 ft., see page 208, run down margin figures to 8 ft., then under 1x3⅜ in. and you find for one piece 2¼ ft. For 7 pieces multiply this amount by 7—2¼x7=15¾ ft. in the seven pieces.

The Table of Measurements shows the Feet or Fractions thereof for one piece only and from 1 in. x 1 in. up to 1 in. x 12 in. Should you wish to find the contents for pieces less than one inch in thickness deduct the difference in thickness from amounts given in the tables.

If $\frac{1}{16}$ in. less than 1 in., or $\frac{15}{16}$, deduct $\frac{1}{16}$ from total number of feet.
" ⅛ in. " " " " ⅞, " ⅛ " " " " "
" ¼ in. " " " " ¾, " ¼ " " " " "
" ½ in. " " " " ½, " ½ " " " " "

For $\frac{1}{16}$ in. over 1 in. in thickness or 1$\frac{1}{16}$ in., add $\frac{1}{16}$ to total number of feet.
" ⅛ in. " " " " " 1⅛ in., " ⅛ " " " " "
" ¼ in. " " " " " 1¼ in., " ¼ " " " " "
" ½ in. " " " " " 1½ in., " ½ " " " " "

Note—To reduce the fractions to feet multiply the number of pieces you wish to find answer for by the numerator and divide by the denominator.

Example:—Suppose you wish to find the contents of 23 pieces 1x2½ in 3½ ft. See page 206, run down margin to 3½ ft. then opposite under 1x2½ in. and you find the answer for one piece, $35\frac{5}{48}$ ft.

Multiply the number of pieces, 23,
by the Numerator, 35,

$$\begin{array}{r} 115 \\ 69 \\ \hline \end{array}$$

Divide by the Denominator, 48)805(16$\frac{37}{48}$ feet, the answer for 23 pieces.
48

$$\begin{array}{r} 325 \\ 288 \\ \hline 37 \end{array}$$

To find number of feet in regular sizes:
For 2x 3 see column for 1x 6
" 2x 4 " " " 1x 8
" 2x 5 " " " 1x10
" 2x 6 " " " 1x12
" 2x 8 double the amount given for 1x 8
" 2x10 " " " " " 1x10
" 2x12 " " " " " 1x12

Examples for finding contents of pieces will be found at bottom of each page of the Table of Measurements, also the sizes in half and quarter inches that tables give answers for.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches 1x1 Feet Board Meas.	End Size in Inches 1x1 1/16 Feet Board Meas.	End Size in Inches 1x1 1/8 Feet Board Meas.	End Size in Inches 1x1 3/16 Feet Board Meas.	End Size in Inches 1x1 1/4 Feet Board Meas.	End Size in Inches 1x1 5/16 Feet Board Meas.	End Size in Inches 1x1 3/8 Feet Board Meas.	End Size in Inches 1x1 7/16 Feet Board Meas.	End Size in Inches 1x1 1/2 Feet Board Meas.	Length
1 in.	1/144	17/2304	1/128	19/2304	5/576	7/768	11/1152	23/2304	1/96	1 in.
6 in.	1/24	17/384	3/64	19/384	5/96	7/128	11/192	23/384	1/16	6 in.
1 ft.	1/12	17/192	3/32	19/192	5/48	7/64	11/96	23/192	1/8	1 ft.
1½ "	1/8	17/128	9/64	19/128	5/32	21/128	11/64	23/128	3/16	1½ "
2 "	1/6	17/96	3/16	19/96	5/24	7/32	11/48	23/96	1/4	2 "
2½ "	5/24	85/384	15/64	95/384	25/96	35/128	55/192	115/384	5/16	2½ "
3 "	1/4	17/64	9/32	19/64	5/16	21/64	11/32	23/64	3/8	3 "
3½ "	7/24	119/384	21/64	133/384	35/96	49/128	77/192	161/384	7/16	3½ "
4 "	1/3	17/48	3/8	19/48	5/12	7/16	11/24	23/48	1/2	4 "
4½ "	3/8	51/128	27/64	57/128	15/32	63/128	33/64	69/128	9/16	4½ "
5 "	5/12	85/192	15/32	95/192	25/48	35/64	55/96	115/192	5/8	5 "
5½ "	11/24	187/384	33/64	209/384	55/96	77/128	121/192	253/384	11/16	5½ "
6 "	1/2	17/32	9/16	19/32	5/8	21/32	11/16	23/32	3/4	6 "
6½ "	13/24	221/384	39/64	247/384	65/96	91/128	143/192	299/384	13/16	6½ "
7 "	7/12	119/192	21/32	133/192	35/48	49/64	77/96	161/192	7/8	7 "
7½ "	5/8	85/128	45/64	95/128	25/32	105/128	55/64	115/128	15/16	7½ "
8 "	2/3	17/24	3/4	19/24	5/6	7/8	11/12	23/24	1	8 "
8½ "	17/24	289/384	51/64	323/384	85/96	119/128	187/192	17/384	1 1/16	8½ "
9 "	3/4	51/64	27/32	57/64	15/16	63/64	1 1/32	1 5/64	1 1/8	9 "
9½ "	19/24	323/384	57/64	361/384	95/96	1 5/128	1 17/192	1 53/384	1 3/16	9½ "
10 "	5/6	85/96	1 5/16	95/96	1 1/24	1 3/32	1 7/48	1 19/96	1 1/4	10 "
10½ "	7/8	119/128	63/64	1 5/128	1 3/32	1 19/128	1 13/64	1 33/128	1 5/16	10½ "
11 "	1 11/12	187/192	1 1/32	1 17/192	1 7/48	1 13/64	1 25/96	1 61/192	1 3/8	11 "
11½ "	23/24	17/384	1 5/64	1 53/384	1 19/96	1 33/128	1 61/192	1 145/384	1 7/16	11½ "
12 "	1	1 1/16	1 1/8	1 3/16	1 1/4	1 5/16	1 3/8	1 7/16	1 1/2	12 "
12½ "	1 1/24	1 41/384	1 11/64	1 91/384	1 29/96	1 47/128	1 83/192	1 191/384	1 9/16	12½ "
13 "	1 1/12	1 29/192	1 7/32	1 55/192	1 17/48	1 27/64	1 47/96	1 107/192	1 5/8	13 "
13½ "	1 1/8	1 25/128	1 17/64	1 143/128	1 13/32	1 61/128	1 35/64	1 179/128	1 11/16	13½ "
14 "	1 1/6	1 23/96	1 5/16	1 37/96	1 11/24	1 17/32	1 29/48	1 65/96	1 3/4	14 "
14½ "	1 5/24	1 109/384	1 23/64	1 167/384	1 49/96	1 75/128	1 127/192	1 283/384	1 13/16	14½ "
15 "	1 1/4	1 21/64	1 13/32	1 31/64	1 9/16	1 41/64	1 23/32	1 51/64	1 7/8	15 "
15½ "	1 7/24	1 143/384	1 29/64	1 205/384	1 59/96	1 89/128	1 149/192	1 329/384	1 15/16	15½ "
16 "	1 1/3	1 5/12	1 1/2	1 7/12	1 2/3	1 3/4	1 5/6	1 11/12	2	16 "
	1x1	1x1 1/16	1x1 1/8	1x1 3/16	1x1 1/4	1x1 5/16	1x1 3/8	1x1 7/16	1x1 1/2	
	1/2x2	1/2x2 1/8	1/2x2 1/4	1/2x2 3/8	1/2x2 1/2	1/2x2 5/8	1/2x2 3/4	1/2x2 7/8	1/2x3	
	1/4x4	1/4x4 1/4	1/4x4 1/2	1/4x4 3/4	1/4x5	1/4x5 1/4	1/4x5 1/2	1/4x5 3/4	1/4x6	

To find the contents for pieces less than one inch thick:
For 1/16 in. less than one inch in thickness, (or 15/16 in.) deduct 1/16.
For 1/8 in. less than one inch in thickness, (or 7/8 in.) deduct 1/8.
For 1/4 in. less than one inch in thickness, (or 3/4 in.) deduct 1/4.
If over one inch in thickness is required add 1/16, 1/8, 1/4, 1/2, etc.
See page 202, 203 for further explanation.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches 1x1 9/16 — Feet Board Meas.	End Size in Inches 1x1 5/8 — Feet Board Meas.	End Size in Inches 1x1 11/16 — Feet Board Meas.	End Size in Inches 1x1 3/4 — Feet Board Meas.	End Size in Inches 1x1 13/16 — Feet Board Meas.	End Size in Inches 1x1 7/8 — Feet Board Meas.	End Size in Inches 1x1 15/16 — Feet Board Meas.	End Size in Inches 1x2 — Feet Board Meas.	Length
1 in.	25/2304	13/1152	3/256	7/576	29/2304	5/384	31/2304	1/72	1 in.
6 in.	25/384	13/192	9/128	7/96	29/384	5/64	31/384	1/12	6 in.
1 ft.	25/192	13/96	9/64	7/48	29/192	5/32	31/192	1/6	1 ft.
1½ "	25/128	13/64	27/128	7/32	29/128	15/64	31/128	1/4	1½ "
2 '	25/96	13/48	9/32	7/24	29/96	5/16	31/96	1/3	2 '.
2½ "	125/384	65/192	45/128	35/96	145/384	25/64	155/384	5/12	2½ "
3 "	25/64	13/32	27/64	7/16	29/64	15/32	31/64	1/2	3 "
3½ "	175/384	91/192	63/128	49/96	203/384	35/64	217/384	7/12	3½ "
4 "	25/48	13/24	9/16	7/12	29/48	5/8	31/48	2/3	4 "
4½ "	75/128	39/64	81/128	21/32	87/128	45/64	93/128	3/4	4½ "
5 "	125/192	65/96	45/64	35/48	145/192	25/32	155/192	5/6	5 "
5½ "	275/384	143/192	99/128	77/96	319/384	55/64	341/384	11/12	5½ "
6 "	25/32	13/16	27/32	7/8	29/32	15/16	31/32	1	6 "
6½ "	325/384	169/192	117/128	91/96	377/384	1 1/64	1 19/384	1 1/12	6½ "
7 "	175/192	91/96	63/64	1 1/48	1 11/192	1 3/32	1 25/192	1 1/6	7 "
7½ "	125/128	1 1/64	1 7/128	1 3/32	1 117/128	1 11/64	1 27/128	1 1/4	7½ "
8 "	1 1/24	1 1/12	1 1/8	1 1/6	1 5/24	1 1/4	1 7/24	1 1/3	8 "
8½ "	1 141/384	1 29/192	1 25/128	1 23/96	1 109/384	1 21/64	1 143/384	1 5/12	8½ "
9 "	1 11/64	1 7/32	1 17/64	1 5/16	1 23/64	1 13/32	1 29/64	1 1/2	9 "
9½ "	1 91/384	1 55/192	1 43/128	1 37/96	1 167/384	1 31/64	1 205/384	1 7/12	9½ "
10 "	1 29/96	1 17/48	1 13/32	1 11/24	1 49/96	1 9/16	1 59/96	1 2/3	10 "
10½ "	1 147/128	1 27/64	1 61/128	1 17/32	1 75/128	1 41/64	1 89/128	1 3/4	10½ "
11 "	1 183/192	1 47/96	1 35/64	1 29/48	1 127/192	1 23/32	1 149/192	1 5/6	11 "
11½ "	1 191/384	1 107/192	1 79/128	1 65/96	1 283/384	1 51/64	1 329/384	1 11/12	11½ "
12 "	1 9/16	1 5/8	1 11/16	1 3/4	1 13/16	1 7/8	1 15/16	2	12 "
12½ "	1 241/384	1 133/192	1 97/128	1 79/96	1 341/384	1 61/64	2 7/384	2 1/12	12½ "
13 "	1 133/192	1 73/96	1 53/64	1 43/48	1 185/192	2 1/32	2 19/192	2 1/6	13 "
13½ "	1 97/128	1 53/64	1 115/128	1 31/32	2 5/128	2 7/64	2 23/128	2 1/4	13½ "
14 "	1 79/96	1 43/48	1 31/32	2 1/24	2 11/96	2 3/16	2 25/96	2 1/3	14 "
14½ "	1 341/384	1 185/192	2 5/128	2 11/96	2 73/384	2 17/64	2 131/384	2 5/12	14½ "
15 "	1 161/64	2 1/32	2 7/64	2 3/16	2 17/64	2 11/32	2 27/64	2 1/2	15 "
15½ "	2 7/384	2 19/192	1 23/128	2 25/96	2 131/384	2 27/64	2 103/384	2 7/12	15½ "
16 "	2 1/12	2 1/6	2 1/4	2 1/3	2 5/12	2 1/2	2 7/12	2 2/3	16 "
	1x1 9/16 — ½x3 1/8 — ¼x6 1/4	1x1 5/8 — ½x3 1/4 — ¼x6 1/2	1x1 11/16 — ½x3 3/8 — ¼x6 3/4	1x1 3/4 — ½x3 1/2 — ¼x7	1x1 13/16 — ½x3 5/8 — ¼x7 1/4	1x1 7/8 — ½x3 3/4 — ¼x7 1/2	1x1 15/16 — ½x3 7/8 — ¼x7 3/4	1x2 — ½x4 — ¼x8	

Example: To find the contents of one piece 1x1⅞ in.-7½ ft., run down marginal figures to 7½ ft. Then opposite, under 1x1⅞ and you find 1 11/64 ft., the answer.

See page 202 and 203 for other explanations.

1 to 2 in.
2 to 3 in.
3 to 4 in.
4 to 5 in.
5 to 6 in.
6 to 7 in.
7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x2 1/16 — Feet Board Meas.	End Size in Inches. 1x2 1/8 — Feet Board Meas.	End Size in Inches. 1x2 3/16 — Feet Board Meas.	End Size in Inches. 1x2 1/4 — Feet Board Meas.	End Size in Inches. 1x2 5/16 — Feet Board Meas.	End Size in Inches. 1x2 3/8 — Feet Board Meas.	End Size in Inches. 1x2 7/16 — Feet Board Meas.	End Size in Inches. 1x2 1/2 — Feet Board Meas.	Length
1 in.	1 1/768	1 7/1152	3 5/2304	1/64	3 7/2304	1 9/1152	1 3/768	5/288	1 in.
6 in.	1 1/128	1 7/192	3 5/384	3/32	3 7/384	1 9/192	1 3/128	5/48	6 in.
1 ft.	1 1/64	1 7/96	3 5/192	3/16	3 7/192	1 9/96	1 3/64	5/24	1 ft.
1½ "	3 3/128	1 7/64	3 5/128	9/32	3 7/128	1 9/64	3 9/128	5/16	1½ "
2 "	1 1/32	1 7/48	3 5/96	3/8	3 7/96	1 9/48	1 3/32	5/12	2 "
2½ "	5 5/128	8 5/192	1 7 5/384	1 5/32	1 8 5/384	9 5/192	6 5/128	2 5/48	2½ "
3 "	3 3/64	1 7/32	3 5/64	9/16	3 7/64	1 9/32	3 9/64	5/8	3 "
3½ "	7 7/128	1 11 9/192	2 4 5/384	2 1/32	2 5 9/384	1 3 3/192	9 1/128	3 5/48	3½ "
4 "	1 1/16	1 7/24	3 5/48	3/4	3 7/48	1 9/24	1 3/16	5/6	4 "
4½ "	9 9/128	5 1/64	1 0 5/128	2 7/32	1 1 1/128	5 7/64	1 1 7/128	1 5/16	4½ "
5 "	5 5/64	8 5/96	1 7 5/192	1 5/16	1 8 5/192	9 5/96	1 1/64	1 1/24	5 "
5½ "	1 2 1/128	1 8 7/192	1 1/384	1 1/32	1 2 3/384	1 1 7/192	1 1 5/128	1 7/48	5½ "
6 "	1 1/32	1 1/16	1 3/32	1 1/8	1 5/32	1 3/16	1 7/32	1 1/4	6 "
6½ "	1 1 5/128	1 2 9/192	1 7 1/384	1 7/32	1 9 7/384	1 5 5/192	1 4 1/128	1 1 7/48	6½ "
7 "	1 1 3/64	1 2 3/96	1 5 3/192	1 5/16	1 6 7/192	1 3 7/96	1 2 7/64	1 1 1/24	7 "
7½ "	1 3 7/128	1 2 1/64	1 4 7/128	1 1 3/32	1 5 7/128	1 3 1/64	1 6 7/128	1 9/16	7½ "
8 "	1 3/8	1 5/12	1 1 1/24	1 1/2	1 1 3/24	1 7/12	1 5/8	1 2/3	8 "
8½ "	1 5 9/128	1 9 7/192	1 2 1 1/384	1 1 9/32	1 2 4 5/384	1 1 3 1/192	1 9 3/128	1 3 7/48	8½ "
9 "	1 3 5/64	1 1 9/32	1 4 1/64	1 1 1/16	1 4 7/64	1 2 5/32	1 5 3/64	1 7/8	9 "
9½ "	1 8 1/128	1 1 3 1/192	1 2 8 1/384	1 2 5/32	1 3 1 9/384	1 1 6 9/192	1 1 1 9/128	1 4 7/48	9½ "
10 "	1 2 3/32	1 3 7/48	1 7 9/96	1 7/8	1 8 9/96	1 4 7/48	2 1/32	2 1/12	10 "
10½ "	1 1 0 3/128	1 5 5/64	1 1 1 7/128	1 3 1/32	2 3/128	2 5/64	2 1 7/128	2 3/16	10½ "
11 "	1 5 7/64	1 9 1/96	2 1/192	2 1/16	2 2 3/192	2 1 7/96	2 1 5/64	2 7/24	11 "
11½ "	1 1 2 5/128	2 7/192	2 3 7/384	2 5/32	2 8 3/384	2 5 3/192	2 4 3/128	2 1 9/48	11½ "
12 "	2 1/16	2 1/8	2 3/16	2 1/4	2 5/16	2 3/8	2 7/16	2 1/2	12 "
12½ "	2 1 9/128	2 4 1/192	2 1 0 7/384	2 1 1/32	2 1 5 7/384	2 9 1/192	2 6 9/128	2 2 9/48	12½ "
13 "	2 1 5/64	2 2 9/96	2 7 1/192	2 7/16	2 9 7/192	2 5 5/96	2 4 1/64	2 1 7/24	13 "
13½ "	2 4 1/128	2 2 5/64	2 5 9/128	2 1 7/32	2 7 7/128	2 4 3/64	2 9 5/128	2 1 3/16	13½ "
14 "	2 1 3/32	2 2 3/48	2 5 3/96	2 3/8	2 6 7/96	2 3 7/48	2 2 7/32	2 1 1/12	14 "
14½ "	2 6 3/128	2 1 0 9/192	2 2 4 7/384	2 2 3/32	2 3 0 5/384	2 1 6 7/192	2 1 2 1/128	3 1/48	14½ "
15 "	2 3 7/64	2 2 1/32	2 4 7/64	2 1 3/16	2 5 7/64	2 3 1/32	3 3/64	3 1/8	15 "
15½ "	2 8 5/128	2 1 4 3/192	2 3 1 7/384	2 2 9/32	2 3 7 9/384	3 1 3/192	3 1 9/128	3 1 1/48	15½ "
16 "	2 3/4	2 5/6	2 1 1/12	3	3 1/12	3 1/6	3 1/4	3 1/3	16 "
	1x2 1/16	1x2 1/8	1x2 3/16	1x2 1/4	1x2 5/16	1x2 3/8	1x2 7/16	1x2 1/2	
	1/2x4 1/8	1/2x4 1/4	1/2x4 3/8	1/2x4 1/2	1/2x4 5/8	1/2x4 3/4	1/2x4 7/8	1/2x5	
	1/4x8 1/4	1/4x8 1/2	1/4x8 3/4	1/4x9	1/4x9 1/4	1/4x9 1/2	1/4x9 3/4	1/4x10	

Example: To find the contents of one piece 1x2¼ in. 13 ft. long, run down marginal figures to 13 ft. Then opposite under 1x2¼ and you find 2 7/16 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x2 9/16 — Feet Board Meas.	End Size in Inches. 1x2 5/8 — Feet Board Meas.	End Size in Inches. 1x2 11/16 — Feet Board Meas.	End Size in Inches. 1x2 3/4 — Feet Board Meas.	End Size in Inches. 1x2 13/16 — Feet Board Meas.	End Size in Inches. 1x2 7/8 — Feet Board Meas.	End Size in Inches. 1x2 15/16 — Feet Board Meas.	End Size in Inches. 1x3 — Feet Board Meas.	Length
1 in.	4 1/2304	7/384	4 3/2304	11/576	5/256	23/1152	47/2304	1/48	1 in.
6 in.	4 1/384	7/64	4 3/384	11/96	15/128	23/192	47/384	1/8	6 in.
1 ft.	4 1/192	7/32	4 3/192	11/48	15/64	23/96	47/192	1/4	1 ft.
1½ "	4 1/128	21/64	4 3/128	11/32	45/128	23/64	47/128	3/8	1½ "
2 "	4 1/96	7/16	4 3/96	11/24	15/32	23/48	47/96	1/2	2 "
2½ "	20 5/384	35/64	21 5/384	55/96	75/128	115/192	235/384	5/8	2½ "
3 "	4 1/64	21/32	4 3/64	11/16	45/64	23/32	47/64	3/4	3 "
3½ "	28 7/384	49/64	30 1/384	77/96	105/128	161/192	329/384	7/8	3½ "
4 "	4 1/48	7/8	4 3/48	11/12	15/16	23/24	47/48	1	4 "
4½ "	12 3/128	63/64	13/128	11/32	17/128	15/64	113/128	1⅛	4½ "
5 "	113/192	1 3/32	123/192	17/48	111/64	119/96	143/192	1¼	5 "
5½ "	167/384	113/64	189/384	125/96	137/128	161/192	1133/384	1⅜	5½ "
6 "	19/32	15/16	111/32	1⅜	113/32	17/16	115/32	1½	6 "
6½ "	1149/384	127/64	1175/384	147/96	167/128	1107/192	1227/384	1⅝	6½ "
7 "	195/192	117/32	1109/192	129/48	141/64	165/96	1137/192	1¾	7 "
7½ "	177/128	141/64	187/128	123/32	197/128	151/64	1107/128	1⅞	7½ "
8 "	117/24	1¾	119/24	15/6	17/8	111/12	123/24	2	8 "
8½ "	1313/384	155/64	1347/384	191/96	1127/128	27/192	231/384	2⅛	8½ "
9 "	159/64	131/32	21/64	21/16	27/64	25/32	213/64	2¼	9 "
9½ "	211/384	25/64	249/384	217/96	229/128	253/192	2125/384	2⅜	9½ "
10 "	213/96	23/16	223/96	27/24	211/32	249/48	243/96	2½	10 "
10½ "	231/128	219/64	245/128	213/32	259/128	233/64	273/128	2⅝	10½ "
11 "	267/192	213/32	289/192	225/48	237/64	261/96	2133/192	2¾	11 "
11½ "	2175/384	233/64	2221/384	261/96	289/128	2145/192	2313/384	2⅞	12 "
12 "	29/16	25/8	211/16	23/4	213/16	27/8	215/16	3	12½ "
12½ "	2257/384	247/64	2307/384	283/96	2119/128	2191/192	323/384	3⅛	13 "
13 "	2149/192	227/32	2175/192	247/48	33/64	311/96	335/192	3¼	13½ "
13½ "	2113/128	261/64	33/128	33/32	821/128	315/64	339/128	3⅜	14 "
14 "	295/96	31/16	313/96	355/24	39/32	317/48	341/96	3½	14½ "
14½ "	337/384	311/64	395/384	331/96	351/128	391/192	3211/384	3⅝	15 "
15 "	313/64	39/32	323/64	37/16	333/64	319/32	343/64	3¾	15½ "
15½ "	3119/384	325/64	3181/384	353/96	381/128	3137/192	3305/384	3⅞	16 "
16 "	35/12	31/2	37/12	33/8	33/4	35/6	311/12	4	16 "
	1x2 9/16 ½x5⅛ ¼x10¼	1x2 5/8 ½x5¼ ¼x10½	1x2 11/16 ½x5⅜ ¼x10¾	1x2 3/4 ½x5½ ¼x11	1x2 13/16 ½x5⅝ ¼x11¼	1x2 7/8 ½x5¾ ¼x11½	1x2 15/16 ½x5⅞ ¼x11¾	1x3 ½x6 ¼x12	

2 to 3 in.

3 to 4 in.

4 to 5 in.

5 to 6 in.

6 to 7 in.

7 to 8 in.

8 to 9 in.

9 to 10 in.

10 to 11 in.

11 to 12 in.

Log Scales.

Example: To find the contents of one piece 1x2 7/8 in. 5 ft. long, run down marginal figures to 5 ft. Then opposite under 1x2 7/8 in. and you find 11 9/96 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x3 1/16 Feet Board Meas.	End Size in Inches. 1x3 1/8 Feet Board Meas.	End Size in Inches. 1x3 3/16 Feet Board Meas.	End Size in Inches. 1x3 1/4 Feet Board Meas.	End Size in Inches. 1x3 5/16 Feet Board Meas.	End Size in Inches. 1x3 3/8 Feet Board Meas.	End Size in Inches. 1x3 7/16 Feet Board Meas.	End Size in Inches. 1x3 1/2 Feet Board Meas.	Length
1 in.	49/2304	25/1152	17/768	13/576	53/2304	3/128	55/2304	7/288	1 in.
6 in.	49/384	25/192	17/128	13/96	53/384	9/64	55/384	7/48	6 in.
1 ft.	49/192	25/96	17/64	13/48	53/192	9/32	55/192	7/24	1 ft.
1½ "	49/128	25/64	51/128	13/32	53/128	27/64	55/128	7/16	1½ "
2 "	49/96	25/48	17/32	13/24	53/96	9/16	55/96	7/12	2 "
2½ "	245/384	125/192	85/128	65/96	265/384	45/64	275/384	35/48	2½ "
3 "	49/64	25/32	51/64	13/16	53/64	27/32	55/64	7/8	3 "
3½ "	343/384	175/192	119/128	91/96	371/384	63/64	1 1/384	1 1/48	3½ "
4 "	1 1/48	1 1/24	1 1/16	1 1/12	1 5/48	1 1/8	1 7/48	1 1/6	4 "
4½ "	1 19/128	1 11/64	1 25/128	1 7/32	1 31/128	1 17/64	1 37/128	1 5/16	4½ "
5 "	1 53/192	1 29/96	1 21/64	1 17/48	1 73/192	1 13/32	1 83/192	1 11/24	5 "
5½ "	1 155/384	1 83/192	1 59/128	1 47/96	1 199/384	1 35/64	1 221/384	1 29/48	5½ "
6 "	1 17/32	1 9/16	1 19/32	1 5/8	1 21/32	1 11/16	1 23/32	1 3/4	6 "
6½ "	1 253/384	1 133/192	1 93/128	1 73/96	1 305/384	1 53/64	1 331/384	1 43/48	6½ "
7 "	1 151/192	1 79/96	1 55/64	1 43/48	1 179/192	1 31/32	2 1/192	2 1/24	7 "
7½ "	1 117/128	1 61/64	1 127/128	2 1/32	2 9/128	2 7/64	2 19/128	2 3/16	7½ "
8 "	2 1/24	2 1/12	2 1/8	2 1/6	2 5/24	2 1/4	2 7/24	2 1/3	8 "
8½ "	2 65/384	2 41/192	2 33/128	2 29/96	2 133/384	2 25/64	2 167/384	2 23/48	8½ "
9 "	2 19/64	2 11/32	2 25/64	2 7/16	2 31/64	2 17/32	2 37/64	2 5/8	9 "
9½ "	2 163/384	2 91/192	2 67/128	2 55/96	2 239/384	2 43/64	2 277/384	2 37/48	9½ "
10 "	2 53/96	2 29/48	2 21/32	2 17/24	2 73/96	2 13/16	2 83/96	2 11/12	10 "
10½ "	2 87/128	2 47/64	2 101/128	2 27/32	2 115/128	2 61/64	3 1/128	3 1/16	10½ "
11 "	2 155/192	2 83/96	2 59/64	2 47/48	3 7/192	3 3/32	3 29/192	3 5/24	11 "
11½ "	2 359/384	2 191/192	3 7/128	3 11/96	3 67/384	3 15/64	3 113/384	3 17/48	11½ "
12 "	3 1/16	3 1/8	3 3/16	3 1/4	3 5/16	3 3/8	3 7/16	3 1/2	12 "
12½ "	3 73/384	3 49/192	3 41/128	3 37/96	3 173/384	3 33/64	3 223/384	3 31/48	12½ "
13 "	3 61/192	3 37/96	3 29/64	3 25/48	3 113/192	3 21/32	3 139/192	3 19/24	13 "
13½ "	3 57/128	3 33/64	3 75/128	3 21/32	3 93/128	3 51/64	3 111/128	3 15/16	13½ "
14 "	3 55/96	3 31/48	3 23/32	3 19/24	3 83/96	3 15/16	4 1/96	4 1/12	14 "
14½ "	3 269/384	3 149/192	3 109/128	3 89/96	4 1/384	4 5/64	4 59/384	4 11/48	14½ "
15 "	3 53/64	3 29/32	3 63/64	4 1/16	4 1/64	4 7/32	4 19/64	4 3/8	15 "
15½ "	3 367/384	4 7/192	4 15/128	4 19/96	4 107/384	4 23/64	4 169/384	4 25/48	15½ "
16 "	4 1/12	4 1/6	4 1/4	4 1/3	4 5/12	4 1/2	4 7/12	4 2/3	16 "
	1x3 1/16 ½x6 1/8 ¼x12 1/4	1x3 1/8 ½x6 1/4 ¼x12 1/2	1x3 3/16 ½x6 3/8 ¼x12 3/4	1x3 1/4 ½x6 1/2 ¼x13	1x3 5/16 ½x6 5/8 ¼x13 1/4	1x3 3/8 ½x6 3/4 ¼x13 1/2	1x3 7/16 ½x6 7/8 ¼x13 3/4	1x3 1/2 ½x7 ¼x14	

Example: To find the contents of one piece 1x3 3/16 in. 10 ft., run down marginal figures to 10 ft. Then opposite under 1x3 3/16 and you find 22 1/32 ft, the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x3 9/16 — Feet Board Meas.	End Size in Inches. 1x3 5/8 — Feet Board Meas.	End Size in Inches. 1x3 11/16 — Feet Board Meas.	End Size in Inches. 1x3 3/4 — Feet Board Meas.	End Size in Inches. 1x3 13/16 — Feet Board Meas.	End Size in Inches. 1x3 7/8 — Feet Board Meas.	End Size in Inches. 1x3 15/16 — Feet Board Meas.	End Size in Inches. 1x4 — Feet Board Meas.	Length
1 in.	19/768	29/1152	59/2304	5/192	61/2304	31/1152	7/256	1/36	1 in.
6 in.	19/128	29/192	59/384	5/32	61/384	31/192	21/128	1/6	6 in.
1 ft.	19/64	29/96	59/192	5/16	61/192	31/96	21/64	1/3	1 ft.
1½ "	57/128	29/64	59/128	15/32	61/128	31/64	63/128	1/2	1½ "
2 "	19/32	29/48	59/96	5/8	61/96	31/48	21/32	2/3	2 "
2½ "	95/128	145/192	295/384	25/32	305/384	155/192	105/128	5/6	2½ "
3 "	57/64	29/32	59/64	15/16	61/64	31/32	63/64	1	3 "
3½ "	15/128	111/192	129/384	13/32	143/384	125/192	119/128	1 1/6	3½ "
4 "	13/16	15/24	111/48	1¼	113/48	17/24	15/16	1⅓	4 "
4½ "	143/128	123/64	149/128	113/32	155/128	129/64	161/128	1½	4½ "
5 "	131/64	141/96	1103/192	1 9/16	1113/192	159/96	141/64	1⅔	5 "
5½ "	181/128	1127/192	1265/384	123/32	1287/384	1149/192	1103/128	1 5/6	5½ "
6 "	125/32	113/16	127/32	1⅞	129/32	115/16	131/32	2	6 "
6½ "	1119/128	1185/192	1383/384	2 1/32	2255/384	2191/192	2171/128	2 1/6	6½ "
7 "	25/64	2111/96	2229/192	2 5/16	2431/192	2225/96	2199/64	2⅓	7 "
7½ "	2229/128	2177/64	2389/128	2 11/32	2499/128	2227/64	2259/128	2½	7½ "
8 "	2⅜	259/12	2111/24	2½	2133/24	27/12	25/8	2⅔	8 "
8½ "	2671/128	2109/192	2235/384	2 21/32	2269/384	2143/192	2101/128	2 5/6	8½ "
9 "	243/64	2233/32	2149/64	2 13/16	2553/64	2229/32	2261/64	3	9 "
9½ "	2105/128	2167/192	2353/384	2 31/32	37/384	3 13/192	3 15/128	3 1/6	9½ "
10 "	231/32	3 1/48	3 7/96	3⅛	3 17/96	3 11/48	3 9/32	3⅓	10 "
10½ "	3 15/128	3 11/64	3 29/128	3 9/32	3 43/128	3 25/64	3 57/128	3½	10½ "
11 "	3 17/64	3 31/96	3 73/192	3 7/16	3 95/192	3 53/96	3 39/64	3⅔	11 "
11½ "	3 53/128	3 91/192	3 205/384	3 19/32	3 251/384	3 137/192	3 99/128	3 5/6	11½ "
12 "	3 9/16	3⅜	3 11/16	3¾	3 13/16	3⅞	3 15/16	4	12 "
12½ "	3 91/128	3 149/192	3 323/384	3 29/32	3 373/384	4 7/192	4 13/128	4 1/6	12½ "
13 "	3 55/64	3 89/96	3 191/192	4 1/16	4 23/192	4 1/96	4 17/64	4⅓	13 "
13½ "	4 1/128	4 5/64	4 19/128	4 7/32	4 37/128	4 23/64	4 55/128	4½	13½ "
14 "	4 3/32	4 11/48	4 29/96	4⅜	4 43/96	4 25/48	4 19/32	4⅔	14 "
14½ "	4 39/128	4 73/192	4 175/384	4 17/32	4 233/384	4 131/192	4 97/128	4 5/6	14½ "
15 "	4 29/64	4 17/32	4 39/64	4 11/16	4 49/64	4 27/32	4 59/64	5	15 "
15½ "	4 77/128	4 131/192	4 293/384	4 27/32	4 355/384	5 1/192	5 11/128	5 1/6	15½ "
16 "	4¾	4 5/6	4 11/12	5	5 1/12	5 1/6	5¼	5⅓	16 "
	1x3 9/16	1x3 5/8	1x3 11/16	1x3¾	1x3 13/16	1x3 7/8	1x3 15/16	1x4	
	½x7⅛	½x7¼	½x7⅜	½x7½	½x7⅝	½x7¾	½x7⅞	½x8	
	¼x14¼	¼x14½	¼x14¾	¼x15	¼x15¼	¼x15½	¼x15¾	¼x16	

Example: To find the contents of one piece 1x3¾ in. 9 ft. long, run down marginal figures to 9 ft. Then opposite under 1x3¾ and you find 2 13/16 ft., the answer.

See page 202 and 203 for other explanations.

3 to 4 in.
4 to 5 in.
5 to 6 in.
6 to 7 in.
7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches 1x4 1/16	End Size in Inches 1x4 1/8	End Size in Inches 1x4 3/16	End Size in Inches 1x4 1/4	End Size in Inches 1x4 5/16	End Size in Inches 1x4 3/8	End Size in Inches 1x4 7/16	End Size in Inches 1x4 1/2	Length
	Feet Board Meas.	Feet Board Meas.	Feet Board Meas.	Feet Board Meas.	Feet Board Meas.	Feet Board Meas.	Feet Board Meas.	Feet Board Meas.	
1 in.	65/2304	11/384	67/2304	17/576	23/768	35/1152	71/2304	1/32	1 in.
6 in.	65/384	11/64	67/384	17/96	23/128	35/192	71/384	3/16	6 in.
1 ft.	65/192	11/32	67/192	17/48	23/64	35/96	71/192	3/8	1 ft.
1½ "	65/128	33/64	67/128	17/32	69/128	35/64	71/128	9/16	1½ "
2 "	65/96	11/16	67/96	17/24	23/32	35/48	71/96	3/4	2 "
2½ "	325/384	55/64	335/384	85/96	115/128	175/192	355/384	15/16	2½ "
3 "	11/64	11/32	13/64	11/16	15/64	13/32	17/64	1 1/8	3 "
3½ "	171/384	113/64	185/384	123/96	133/128	153/192	1113/384	1 5/16	3½ "
4 "	117/48	1 3/8	119/48	1 5/12	17/16	111/24	123/48	1 1/2	4 "
4½ "	167/128	135/64	173/128	111/32	179/128	141/64	185/128	111/16	4½ "
5 "	1133/192	123/32	1143/192	137/48	151/64	179/96	1163/192	1 7/8	5 "
5½ "	1331/384	157/64	1353/384	191/96	1125/128	211/192	213/384	2 1/16	5½ "
6 "	21/32	2 1/16	23/32	2 1/8	25/32	23/16	27/32	2 1/4	6 "
6½ "	277/384	215/64	2103/384	229/96	243/128	271/192	2155/384	2 7/16	6½ "
7 "	271/192	213/32	285/192	223/48	233/64	253/96	2113/192	2 5/8	7 "
7½ "	269/128	237/64	279/128	221/32	289/128	247/64	299/128	213/16	7½ "
8 "	217/24	2 3/4	219/24	2 5/6	2 7/8	211/12	223/24	3	8 "
8½ "	2337/384	259/64	2371/384	31/96	37/128	319/192	355/384	3 3/16	8½ "
9 "	3 3/64	3 3/32	3 9/64	3 3/16	315/64	3 9/32	321/64	3 3/8	9 "
9½ "	383/384	317/64	3121/384	335/96	353/128	389/192	3197/384	3 9/16	9½ "
10 "	337/96	3 7/16	347/96	313/24	319/32	3 3/48	367/96	3 3/4	10 "
10½ "	371/128	339/64	385/128	323/32	399/128	353/64	3113/128	315/16	10½ "
11 "	3139/192	325/32	3161/192	343/48	361/64	4 1/96	4133/192	4 1/8	11 "
11½ "	3343/384	361/64	45/384	47/96	417/128	437/192	497/384	4 5/16	11½ "
12 "	4 1/16	4 1/8	43/16	4 1/4	45/16	4 3/8	47/16	4 1/2	12 "
12½ "	489/384	419/64	4139/384	441/96	463/128	4107/192	4239/384	4 11/16	12½ "
13 "	477/192	415/32	4103/192	429/48	443/64	471/96	4155/192	4 7/8	13 "
13½ "	473/128	441/64	491/128	425/32	4109/128	459/64	4127/128	5 1/16	13½ "
14 "	471/96	413/16	485/96	423/24	5 1/32	5 5/48	517/96	5 1/4	14 "
14½ "	4349/384	463/64	523/384	513/96	527/128	555/192	5139/384	5 7/16	14½ "
15 "	5 5/64	5 5/32	515/64	5 5/16	525/64	515/32	535/64	5 5/8	15 "
15½ "	595/384	521/64	5157/384	547/96	573/128	5125/192	5281/384	513/16	15½ "
16 "	5 1/12	5 1/2	5 7/12	5 2/3	5 3/4	5 5/6	511/12	6	16 "
	1x4 1/16 ½x8 1/8 ¼x16 1/4	1x4 1/8 ½x8 1/4 ¼x16 1/2	1x4 3/16 ½x8 3/8 ¼x16 3/4	1x4 1/4 ½x8 1/2 ¼x17	1x4 5/16 ½x8 5/8 ¼x17 1/4	1x4 3/8 ½x8 3/4 ¼x17 1/2	1x4 7/16 ½x8 7/8 ¼x17 3/4	1x4 1/2 ½x9 ¼x18	

Example: To find the contents of one piece 1x4¼ in. 11½ ft. long, run down marginal figures to 11½ ft. Then opposite under 1x4½ in. and you find 4 7/96 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x4 9/16 Feet Board Meas.	End Size in Inches. 1x4 5/8 Feet Board Meas.	End Size in Inches. 1x4 11/16 Feet Board Meas.	End Size in Inches. 1x4 3/4 Feet Board Meas.	End Size in Inches. 1x4 13/16 Feet Board Meas.	End Size in Inches. 1x4 7/8 Feet Board Meas.	End Size in Inches. 1x4 15/16 Feet Board Meas.	End Size in Inches. 1x5 Feet Board Meas.	Length
1 in.	73/2304	37/152	25/768	19/576	77/2304	13/384	79/2304	5/144	1 in.
6 in.	73/384	37/192	25/128	19/96	77/384	13/64	79/384	5/24	6 in.
1 ft.	73/192	37/96	25/64	19/48	77/192	13/32	79/192	5/12	1 ft.
1½ "	73/128	37/64	75/128	19/32	77/128	39/64	79/128	5/8	1½ "
2 "	73/96	37/48	25/32	19/24	77/96	13/16	79/96	5/6	2 "
2½ "	365/384	185/192	125/128	95/96	1 1/384	1 1/64	1 11/384	1 1/24	2½ "
3 "	1 9/64	1 5/32	1 11/64	1 3/16	1 13/64	1 7/32	1 15/64	1 1/4	3 "
3½ "	1 127/384	1 67/192	1 47/128	1 37/96	1 155/384	1 27/64	1 169/384	1 11/24	3½ "
4 "	1 25/48	1 13/24	1 9/16	1 7/12	1 29/48	1 5/8	1 31/48	1 2/3	4 "
4½ "	1 91/128	1 47/64	1 97/128	1 25/32	1 103/128	1 53/64	1 109/128	1 7/8	4½ "
5 "	1 173/192	1 89/96	1 61/64	1 47/48	2 1/192	2 1/32	2 11/192	2 1/12	5 "
5½ "	2 35/384	2 23/192	2 19/128	2 17/96	2 79/384	2 15/64	2 101/384	2 7/24	5½ "
6 "	2 9/32	2 5/16	2 11/32	2 3/8	2 13/32	2 7/16	2 15/32	2 1/2	6 "
6½ "	2 181/384	2 97/192	2 69/128	2 55/96	2 233/384	2 41/64	2 259/384	2 17/24	6½ "
7 "	2 127/192	2 67/96	2 47/64	2 37/48	2 155/192	2 27/32	2 169/192	2 11/12	7 "
7½ "	2 109/128	2 57/64	2 119/128	2 31/32	3 1/128	3 3/64	3 11/128	3 1/8	7½ "
8 "	3 1/24	3 1/12	3 1/8	3 1/6	3 5/24	3 1/4	3 7/24	3 1/3	8 "
8½ "	3 89/384	3 53/192	3 41/128	3 35/96	3 157/384	3 29/64	3 191/384	3 13/24	8½ "
9 "	3 27/64	3 15/32	3 33/64	3 9/16	3 39/64	3 21/32	3 45/64	3 3/4	9 "
9½ "	3 235/384	3 127/192	3 91/128	3 73/96	3 311/384	3 55/64	3 349/384	3 23/24	9½ "
10 "	3 77/96	3 41/48	3 29/32	3 23/24	4 1/96	4 1/16	4 11/96	4 1/8	10 "
10½ "	3 127/128	4 3/64	4 13/128	4 5/32	4 27/128	4 17/64	4 41/128	4 3/8	10½ "
11 "	4 35/192	4 23/96	4 19/64	4 17/48	4 79/192	4 15/32	4 101/192	4 7/12	11 "
11½ "	4 143/384	4 83/192	4 63/128	4 53/96	4 235/384	4 113/64	4 281/384	4 19/24	11½ "
12 "	4 9/16	4 5/8	4 11/16	4 3/4	4 13/16	4 7/8	4 15/16	5	12 "
12½ "	4 289/384	4 157/192	4 113/128	4 91/96	5 5/384	5 5/64	5 55/384	5 5/24	12½ "
13 "	4 181/192	5 1/96	5 5/64	5 7/48	5 41/192	5 9/32	5 67/192	5 5/12	13 "
13½ "	5 17/128	5 13/64	5 35/128	5 11/32	5 53/128	5 31/64	5 71/128	5 5/8	13½ "
14 "	5 31/96	5 19/48	5 15/32	5 13/24	5 59/96	5 11/16	5 73/96	5 5/6	14 "
14½ "	5 197/384	5 113/192	5 85/128	5 71/96	5 313/384	5 57/64	5 387/384	6 1/24	14½ "
15 "	5 45/64	5 25/32	5 55/64	5 15/16	6 1/64	6 3/32	6 11/64	6 1/4	15 "
15½ "	5 343/384	5 187/192	6 7/128	6 13/96	6 83/384	6 19/64	6 145/384	6 11/24	15½ "
16 "	6 1/12	6 1/6	6 1/4	6 1/3	6 5/12	6 1/2	6 7/12	6 2/3	16 "
	1x4 9/16	1x4 5/8	1x4 11/16	1x4 3/4	1x4 13/16	1x4 7/8	1x4 15/16	1x5	
	½x9 1/8	½x9 1/4	½x9 3/8	½x9 1/2	½x9 5/8	½x9 3/4	½x9 7/8	½x10	
	¼x18 1/4	¼x18 1/2	¼x18 3/4	¼x19	¼x19 1/4	¼x19 1/2	¼x19 3/4	¼x20	

Example: To find the contents of one piece 1x4 13/16 in. 8 ft. long, run down marginal figures to 8 ft. Then opposite under 1x4 13/16 in. and you find 6 5/24 ft., the answer.

See page 202 and 203 for other explanations.

4 to 5 in.
5 to 6 in.
6 to 7 in.
7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x5 1/16 Feet Board Meas.	End Size in Inches. 1x5 1/8 Feet Board Meas.	End Size in Inches. 1x5 3/16 Feet Board Meas.	End Size in Inches. 1x5 1/4 Feet Board Meas.	End Size in Inches. 1x5 5/16 Feet Board Meas.	End Size in Inches. 1x5 3/8 Feet Board Meas.	End Size in Inches. 1x5 7/16 Feet Board Meas.	End Size in Inches. 1x5 1/2 Feet Board Meas.	Length
1 in.	9/256	41/1152	83/2304	7/192	85/2304	43/1152	29/768	11/288	1 in.
6 in.	27/128	41/192	83/384	7/32	85/384	43/192	29/128	11/48	6 in.
1 ft.	27/64	41/96	83/192	7/16	85/192	43/96	29/64	11/24	1 ft.
1½ "	81/128	41/64	83/128	21/32	85/128	43/64	87/128	11/16	1½ "
2 "	27/32	41/48	83/96	7/8	85/96	43/48	29/32	11/12	2 "
2½ "	17/128	113/192	131/384	13/32	141/384	123/192	117/128	17/48	2½ "
3 "	117/64	11/32	119/64	15/16	121/64	111/32	123/64	13/8	3 "
3½ "	161/128	195/192	1197/384	117/32	1211/384	1109/192	175/128	129/48	3½ "
4 "	111/16	117/24	135/48	13/4	137/48	111/24	113/16	15/6	4 "
4½ "	1115/128	159/64	1121/128	131/32	1127/128	21/64	25/128	21/16	4½ "
5 "	27/64	213/96	231/192	23/16	241/192	223/96	217/64	27/24	5 "
5½ "	241/128	267/192	2145/384	213/32	2167/384	289/192	263/128	225/48	5½ "
6 "	217/32	29/16	219/32	25/8	221/32	211/16	223/32	23/4	6 "
6½ "	295/128	2149/192	2311/384	227/32	2337/384	2175/192	2121/128	247/48	6½ "
7 "	261/64	295/96	35/192	31/16	319/192	313/96	311/64	33/24	7 "
7½ "	321/128	313/64	331/128	39/32	341/128	323/64	351/128	37/16	7½ "
8 "	33/8	35/12	311/24	31/2	313/24	37/12	35/8	32/3	8 "
8½ "	375/128	3121/192	3259/384	323/32	3293/384	3155/192	3109/128	343/48	8½ "
9 "	351/64	327/32	357/64	315/16	363/64	41/32	45/64	41/8	9 "
9½ "	41/128	411/192	441/384	45/32	479/384	419/192	439/128	417/48	9½ "
10 "	47/32	413/48	431/96	43/8	441/96	423/48	417/32	47/12	10 "
10½ "	455/128	431/64	469/128	419/32	483/128	415/64	497/128	413/16	10½ "
11 "	441/64	467/96	4145/192	413/16	4167/192	489/96	463/64	51/24	11 "
11½ "	4109/128	4175/192	4373/384	51/32	535/384	529/192	527/128	513/48	11½ "
12 "	51/16	51/8	53/16	51/4	55/16	53/8	57/16	51/2	12 "
12½ "	535/128	563/192	5155/384	515/32	5205/384	5115/192	585/128	5353/48	12½ "
13 "	531/64	553/96	5119/192	511/16	5145/192	579/96	557/64	523/24	13 "
13½ "	589/128	549/64	5107/128	529/32	5125/128	63/64	615/128	63/16	13½ "
14 "	529/32	547/48	65/96	61/8	619/96	613/48	611/32	65/12	14 "
14½ "	615/128	637/192	6103/384	611/32	6161/384	695/192	673/128	631/48	14½ "
15 "	621/64	613/32	631/64	69/16	641/64	623/32	651/64	67/8	15 "
15½ "	669/128	6119/192	6269/384	625/32	6331/384	6181/192	673/128	75/48	15½ "
16 "	63/4	65/6	611/12	7	71/12	71/6	71/4	71/3	16 "
	1x5 1/16	1x5 1/8	1x5 3/16	1x5 1/4	1x5 5/16	1x5 3/8	1x5 7/16	1x5 1/2	
	½x10 1/8	½x10 1/4	½x10 3/8	½x10 1/2	½x10 5/8	½x10 3/4	½x10 7/8	½x11	
	¼x20 1/4	¼x20 1/2	¼x20 3/4	¼x21	¼x21 1/4	¼x21 1/2	¼x21 3/4	¼x22	

Example: To find the contents of one piece 1x5⅛ in. 16 ft. long, run down marginal figures to 16 ft. Then opposite under 1x5⅛ and you find 6⅔ ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x5 9/16 Feet Board Meas.	End Size in Inches. 1x5 5/8 Feet Board Meas.	End Size in Inches. 1x5 11/16 Feet Board Meas.	End Size in Inches. 1x5 3/4 Feet Board Meas.	End Size in Inches. 1x5 13/16 Feet Board Meas.	End Size in Inches. 1x5 7/8 Feet Board Meas.	End Size in Inches. 1x5 15/16 Feet Board Meas.	End Size in Inches. 1x6 Feet Board Meas.	Length
1 in.	8 9/2304	5/128	9 1/2304	23/576	31/768	47/1152	95/2304	1/24	1 in.
6 in.	8 9/384	15/64	9 1/384	23/96	31/128	47/192	95/384	1/4	6 in.
1 ft.	8 9/192	15/32	9 1/192	23/48	31/64	47/96	95/192	1/2	1 ft.
1½ "	8 9/128	45/64	9 1/128	23/32	93/128	47/64	95/128	3/4	1½ "
2 "	8 9/96	15 16	9 1/96	23/24	31/32	47/48	95/96	1	2 "
2½ "	1 61/384	1 11/64	1 71/384	1 19/96	1 27/128	1 43/192	1 91/384	1 1/4	2½ "
3 "	1 25/64	1 13/32	1 27/64	1 7/16	1 29/64	1 15/32	1 31/64	1 1/2	3 "
3½ "	1 239/384	1 41/64	1 253/384	1 65/96	1 89/128	1 187/192	1 281/384	1 3/4	3½ "
4 "	1 41/48	1 7/8	1 43/48	1 11/12	1 15/16	1 23/24	1 47/48	2	4 "
4½ "	2 11/128	2 7/64	2 17/128	2 5/32	2 23/128	2 13/64	2 29/128	2 1/4	4½ "
5 "	2 61/192	2 11/32	2 71/192	2 19/48	2 27/64	2 43/96	2 91/192	2 1/2	5 "
5½ "	2 211/384	2 37/64	2 233/384	2 61/96	2 85/128	2 133/192	2 277/384	2 3/4	5½ "
6 "	2 25/32	2 13/16	2 27/32	2 7/8	2 29/32	2 15/16	2 31/32	3	6 "
6½ "	3 5/384	3 3/64	3 31/384	3 11/96	3 19/128	3 35/192	3 83/384	3 1/4	6½ "
7 "	3 47/192	3 9/32	3 61/192	3 17/48	3 25/64	3 41/96	3 89/192	3 1/2	7 "
7½ "	3 61/128	3 33/64	3 71/128	3 19/32	3 81/128	3 143/64	3 91/128	3 3/4	7½ "
8 "	3 17/24	3 3/4	3 19/24	3 5/6	3 7/8	3 11/12	3 23/24	4	8 "
8½ "	3 361/384	3 63/64	4 11/384	4 7/96	4 15/128	4 31/192	4 79/384	4 1/4	8½ "
9 "	4 11/64	4 7/32	4 17/64	4 5/16	4 23/64	4 13/32	4 29/64	4 1/2	9 "
9½ "	4 155/384	4 29/64	4 193/384	4 53/96	4 77/128	4 125/192	4 269/384	4 3/4	9½ "
10 "	4 61/96	4 11/16	4 71/96	4 19/24	4 27/32	4 43/48	4 91/96	5	10 "
10½ "	4 111/128	4 59/64	4 123/128	5 1/32	5 11/128	5 9/64	5 25/128	5 1/4	10½ "
11 "	5 19/192	5 5/32	5 41/192	5 13/48	5 21/64	5 37/96	5 85/192	5 1/2	11 "
11½ "	5 127/384	5 25/64	5 173/384	5 49/96	5 73/128	5 121/192	5 265/384	5 3/4	11½ "
12 "	5 9/16	5 5/8	5 11/16	5 3/4	5 13/16	5 7/8	5 15/16	6	12 "
12½ "	5 305/384	5 55/64	5 355/384	5 95/96	6 7/128	6 23/192	6 71/384	6 1/4	12½ "
13 "	6 5/192	6 3/32	6 31/192	6 11/48	6 19/64	6 35/96	6 83/192	6 1/2	13 "
13½ "	6 33/128	6 21/64	6 51/128	6 15/32	6 69/128	6 39/64	6 87/128	6 3/4	13½ "
14 "	6 47/96	6 9/16	6 61/96	6 17/24	6 25/32	6 41/48	6 89/96	7	14 "
14½ "	6 277/384	6 51/64	6 333/384	6 91/96	7 3/128	7 19/192	7 67/384	7 1/4	14½ "
15 "	6 61/64	7 1/32	7 7/64	7 3/16	7 17/64	7 11/32	7 27/64	7 1/2	15 "
15½ "	7 71/384	7 17/64	7 133/384	7 41/96	7 65/128	7 113/192	7 257/384	7 3/4	15½ "
16 "	7 5/12	7 1/2	7 7/12	7 2/3	7 3/4	7 5/6	7 11/12	8	16 "
	1x5 9/16	1x5 5/8	1x5 11/16	1x5 3/4	1x5 13/16	1x5 7/8	1x5 15/16	1x6	
	½x11 1/8	½x11 1/4	½x11 3/8	½x11 1/2	½x11 5/8	½x11 3/4	½x11 7/8	½x12	
	¼x22 1/4	¼x22 1/4	¼x22 3/4	¼x23	¼x23 1/4	¼x23 1/2	¼x23 3/4	¼x24	

Example: To find the contents of one piece 1x5 13/16 in. 11½ ft., run down marginal figures to 11½. Then opposite under 1x5 13/16 and you find 57 3/128 ft., the answer.

See page 202 and 203 for other explanations.

5 to 6 in.
6 to 7 in.
7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x6 1/16 — Feet Board Meas.	End Size in Inches. 1x6 1/8 — Feet Board Meas.	End Size in Inches. 1x6 3/16 — Feet Board Meas.	End Size in Inches. 1x6 1/4 — Feet Board Meas.	End Size in Inches. 1x6 5/16 — Feet Board Meas.	End Size in Inches. 1x6 3/8 — Feet Board Meas.	End Size in Inches. 1x6 7/16 — Feet Board Meas.	End Size in Inches. 1x6 1/2 — Feet Board Meas.	Length
1 in.	97/2304	49/1152	11/256	25/576	101/2304	17/384	103/2304	13/288	1 in.
6 in.	97/384	49/192	33/128	25/96	101/384	17/64	103/384	13/48	6 in.
1 ft.	97/192	49/96	33/64	25/48	101/192	17/32	103/192	13/24	1 ft.
1½ "	97/128	49/64	99/128	25/32	101/128	51/64	103/128	13/16	1½ "
2 "	1 1/96	1 1/48	1 1/32	1 1/24	1 5/96	1 1/16	1 7/96	1 1/12	2 "
2½ "	1 101/384	1 53/192	1 37/128	1 29/96	1 121/384	1 21/64	1 131/384	1 17/48	2½ "
3 "	1 33/64	1 17/32	1 35/64	1 9/16	1 37/64	1 19/32	1 39/64	1 5/8	3 "
3½ "	1 295/384	1 151/192	1 103/128	1 79/96	1 323/384	1 55/64	1 337/384	1 43/48	3½ "
4 "	2 1/48	2 1/24	2 1/16	2 1/12	2 5/48	2 1/8	2 7/48	2 1/6	4 "
4½ "	2 35/128	2 19/64	2 41/128	2 11/32	2 47/128	2 25/64	2 53/128	2 7/16	4½ "
5 "	2 101/192	2 53/96	2 37/64	2 29/48	2 121/192	2 31/32	2 131/192	2 17/24	5 "
5½ "	2 299/384	2 155/192	2 107/128	2 83/96	2 343/384	2 59/64	2 365/384	2 47/48	5½ "
6 "	3 1/32	3 1/16	3 3/32	3 1/8	3 5/32	3 3/16	3 7/32	3 1/4	6 "
6½ "	3 109/384	3 61/192	3 45/128	3 37/96	3 161/384	3 29/64	3 187/384	3 25/48	6½ "
7 "	3 103/192	3 55/96	3 39/64	3 31/48	3 131/192	3 23/32	3 145/192	3 19/24	7 "
7½ "	3 101/128	3 53/64	3 111/128	3 29/32	3 121/128	3 63/64	4 3/128	4 1/16	7½ "
8 "	4 1/24	4 1/12	4 1/8	4 1/6	4 5/24	4 1/4	4 7/24	4 1/3	8 "
8½ "	4 113/384	4 65/192	4 49/128	4 41/96	4 181/384	4 33/64	4 215/384	4 29/48	8½ "
9 "	4 35/64	4 19/32	4 41/64	4 11/16	4 47/64	4 23/32	4 53/64	4 7/8	9 "
9½ "	4 307/384	4 163/192	4 115/128	4 91/96	4 383/384	5 3/64	5 37/384	5 7/48	9½ "
10 "	5 5/96	5 5/48	5 5/32	5 5/24	5 25/96	5 5/16	5 35/96	5 5/12	10 "
10½ "	5 39/128	5 23/64	5 53/128	5 15/32	5 67/128	5 37/64	5 81/128	5 11/16	10½ "
11 "	5 107/192	5 59/96	5 43/64	5 35/48	5 151/192	5 27/32	5 173/192	5 23/24	11 "
11½ "	5 311/384	5 167/192	5 119/128	5 95/96	6 19/384	6 7/64	6 65/384	6 11/48	11½ "
12 "	6 1/16	6 1/8	6 3/16	6 1/4	6 5/16	6 3/8	6 7/16	6 1/2	12 "
12½ "	6 121/384	6 73/192	6 57/128	6 49/96	6 221/384	6 41/64	6 271/384	6 37/48	12½ "
13 "	6 109/192	6 61/96	6 45/64	6 37/48	6 161/192	6 29/32	6 187/192	7 1/24	13 "
13½ "	6 105/128	6 57/64	6 123/128	7 1/32	7 13/128	7 11/64	7 31/128	7 5/16	13½ "
14 "	7 7/96	7 7/48	7 7/32	7 7/24	7 35/96	7 7/16	7 49/96	7 7/12	14 "
14½ "	7 125/384	7 77/192	7 61/128	7 53/96	7 241/384	7 45/64	7 299/384	7 41/48	14½ "
15 "	7 37/64	7 21/32	7 47/64	7 13/16	7 57/64	7 31/32	8 3/64	8 1/8	15 "
15½ "	7 319/384	7 175/192	7 127/128	8 7/96	8 59/384	8 15/64	8 121/384	8 19/48	15½ "
16 "	8 1/12	8 1/6	8 1/4	8 1/3	8 5/12	8 1/2	8 7/12	8 2/3	16 "
	1x6 1/16 1/2x12 1/16 1/4x24 1/4	1x6 1/8 1/2x12 1/4 1/4x24 1/2	1x6 3/16 1/2x12 3/8 1/4x24 3/4	1x6 1/4 1/2x12 1/2 1/4x25	1x6 5/16 1/2x12 5/8 1/4x25 1/4	1x6 3/8 1/2x12 3/4 1/4x25 1/2	1x6 7/16 1/2x12 7/8 1/4x25 3/4	1x6 1/2 1/2x13 1/4x26	

Example: To find the contents of one piece 1x6 5/16 in. 8 ft. long, run down marginal figures to 8 ft. Then opposite under 1x6 5/16 and you find 4 5/24 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x6 9/16 — Feet Board Meas.	End Size in Inches. 1x6 5/8 — Feet Board Meas.	End Size in Inches. 1x6 11/16 — Feet Board Meas.	End Size in Inches. 1x6 3/4 — Feet Board Meas.	End Size in Inches. 1x6 13/16 — Feet Board Meas.	End Size in Inches. 1x6 7/8 — Feet Board Meas.	End Size in Inches. 1x6 15/16 — Feet Board Meas.	End Size in Inches. 1x7 — Feet Board Meas.	Length
1 in.	35/768	53/1152	107/2304	3/64	109/2304	55/1152	37/768	7/144	1 in.
6 in.	35/128	53/192	107/384	9/32	109/384	55/192	37/128	7/24	6 in.
1 ft.	35/64	53/96	107/192	9/16	109/192	55/96	37/64	7/12	1 ft
1½ "	105/128	53/64	107/128	27/32	109/128	55/64	111/128	7/8	1½ "
2 "	13/32	15/48	111/96	1⅛	113/96	17/48	15/32	1⅛	2 "
2½ "	147/128	173/192	1151/384	113/32	1161/384	183/192	157/128	111/24	2½ "
3 "	141/64	121/32	143/64	111/16	145/64	123/32	147/64	1¾	3 "
3½ "	1117/128	1179/192	1365/384	131/32	1379/384	21/192	23/128	21/24	3½ "
4 "	23/16	25/24	211/48	2¼	213/48	27/24	25/16	2⅛	4 "
4½ "	259/128	231/64	265/128	217/32	271/128	237/64	277/128	2⅜	4½ "
5 "	247/64	273/96	2151/192	213/16	2161/192	283/96	257/64	211/12	5 "
5½ "	31/128	37/192	325/384	33/32	347/384	329/192	323/128	35/24	5½ "
6 "	39/32	35/16	311/32	3⅜	313/32	37/16	315/32	3½	6 "
6½ "	371/128	3113/192	3239/384	321/32	3265/384	3139/192	397/128	319/24	6½ "
7 "	353/64	383/96	3173/192	315/16	3187/192	41/96	43/64	41/12	7 "
7½ "	413/128	49/64	423/128	47/32	433/128	419/64	443/128	48/8	7½ "
8 "	43/8	45/12	411/24	4½	413/24	47/12	45/8	4⅓	8 "
8½ "	483/128	4133/192	4283/384	425/32	4317/384	4167/192	4117/128	423/24	8½ "
9 "	459/64	431/32	51/64	51/16	57/64	55/32	513/64	51/4	9 "
9½ "	525/128	547/192	5113/384	511/32	5151/384	585/192	563/128	513/24	9½ "
10 "	515/32	525/48	555/96	5⅝	565/96	535/48	525/32	55/6	10 "
10½ "	593/128	551/64	5109/128	529/32	5123/128	61/64	69/128	61/8	10½ "
11 "	61/64	67/96	625/192	63/16	647/192	629/96	623/64	65/12	11 "
11½ "	637/128	667/192	6157/384	615/32	6203/384	6113/192	683/128	617/24	11½ "
12 "	69/16	65/8	611/16	63/4	613/16	67/8	615/16	7	12 "
12½ "	6107/128	6173/192	6371/384	71/32	737/384	731/192	729/128	77/24	12½ "
13 "	77/64	717/96	747/192	75/16	773/192	743/96	733/64	771/12	13 "
13½ "	749/128	729/64	767/128	719/32	785/128	747/64	7103/128	77/8	13½ "
14 "	721/32	735/48	777/96	77/8	791/96	81/48	83/32	81/6	14 "
14½ "	7119/128	81/192	831/384	85/32	859/384	859/192	849/128	811/24	14½ "
15 "	813/64	83/32	823/64	87/16	833/64	811/32	843/64	83/4	15 "
15½ "	861/128	8107/192	8245/384	823/32	8307/384	8169/192	8123/128	91/24	15½ "
16 "	83/4	85/6	811/12	9	91/12	91/6	91/4	91/3	16 "
	1x6 9/16 ½x13⅛ ¼x26¼	1x6 5/8 ½x13¼ ¼x26½	1x6 11/16 ½x13⅜ ¼x26¾	1x6 3/4 ½x13½ ¼x27	1x6 13/16 ½x13⅝ ¼x27¼	1x6 7/8 ½x13¾ ¼x27½	1x6 15/16 ½x13⅞ ¼x27¾	1x7 ½x14 ¼x28	

6 to 7 In.
7 to 8 In.
8 to 9 In.
9 to 10 In.
10 to 11 In
11 to 12 In
Log Scales.

Example: To find the contents of one piece 1x6⅞ in. 10 ft. long, run down marginal figures to 10 ft. Then opposite under 6⅞ in. and you find 535/48 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x7 1/16 Feet Board Meas.	End Size in Inches. 1x7 1/8 Feet Board Meas.	End Size in Inches. 1x7 3/16 Feet Board Meas.	End Size in Inches. 1x7 1/4 Feet Board Meas.	End Size in Inches. 1x7 5/16 Feet Board Meas.	End Size in Inches. 1x7 3/8 Feet Board Meas.	End Size in Inches. 1x7 7/16 Feet Board Meas.	End Size in Inches. 1x7 1/2 Feet Board Meas.	Length
1 in.	113/2304	19/384	115/2304	29/576	13/256	59/1152	119/2304	5/96	1 in.
6 in.	113/384	19/64	115/384	29/96	39/128	59/192	119/384	5/16	6 in.
1 ft.	113/192	19/32	115/192	29/48	39/64	59/96	119/192	5/8	1 ft.
1½ "	113/128	57/64	115/128	29/32	117/128	59/64	119/128	15/16	1½ "
2 "	117/96	13/16	119/96	15/24	17/32	111/48	123/96	1¼	2 "
2½ "	1181/384	131/64	1191/384	149/96	167/128	1103/192	1211/384	1 9/16	2½ "
3 "	149/64	125/32	151/64	113/16	153/64	127/32	155/64	1⅞	3 "
3½ "	223/384	25/64	237/384	211/96	217/128	229/192	265/384	2 3/16	3½ "
4 "	217/48	23/8	219/48	25/12	27/16	211/24	223/48	2½	4 "
4½ "	283/128	243/64	289/128	223/32	295/128	249/64	2101/128	2 13/16	4½ "
5 "	2181/192	231/32	2191/192	31/48	33/64	37/96	319/192	3⅛	5 "
5½ "	3 91/384	317/64	3113/384	331/96	345/128	373/192	3157/384	3 7/16	5½ "
6 "	317/32	39/16	319/32	35/8	321/32	311/16	323/32	3¾	6 "
6½ "	3317/384	355/64	3343/384	389/96	3123/128	3191/192	411/384	4 1/16	6½ "
7 "	423/192	45/32	437/192	411/48	417/64	429/96	465/192	4⅜	7 "
7½ "	453/128	429/64	463/128	417/32	473/128	439/64	483/128	4 11/16	7½ "
8 "	417/24	43/4	419/24	45/6	47/8	411/12	423/24	5	8 "
8½ "	51/384	53/64	535/384	513/96	523/128	543/192	5103/384	5 5/16	8½ "
9 "	519/64	511/32	525/64	57/16	531/64	517/32	537/64	5⅜	9 "
9½ "	5227/384	541/64	5265/384	571/96	5101/128	5161/192	5341/384	5 15/16	9½ "
10 "	585/96	515/16	595/96	61/24	63/32	67/8	619/96	6¼	10 "
10½ "	623/128	615/64	637/128	611/32	651/128	629/64	665/128	6 9/16	10½ "
11 "	691/192	617/32	6113/192	631/48	645/64	673/96	6157/192	6⅞	11 "
11½ "	6295/384	653/64	6341/384	691/96	7 1/128	713/192	749/384	7 3/16	11½ "
12 "	7 1/16	7⅛	7 3/16	7¼	7 5/16	7⅜	7 7/16	7½	12 "
12½ "	7137/384	727/64	7187/384	753/96	779/128	7131/192	7287/384	7 13/16	12½ "
"	7125/192	723/32	7151/192	741/48	739/64	795/96	811/192	8⅛	13 "
½ "	7121/128	81/64	811/128	85/32	829/128	819/64	847/128	8 7/16	13½ "
"	823/96	85/16	837/96	811/24	817/32	829/48	865/96	8¾	14 "
½ "	8205/384	839/64	8263/384	873/96	8107/128	8175/192	8379/384	9 1/16	14½ "
"	853/64	829/32	863/64	91/16	99/64	97/32	919/64	9⅜	15 "
15½ "	947/384	913/64	9109/384	935/96	957/128	9101/192	9233/384	9 11/16	15½ "
16 "	95/12	91½	97/12	92/3	93/4	95/6	911/12	10	16 "
	1x7 1/16 ½x14⅛ ¼x28¼	1x7⅛ ½x14¼ ¼x28½	1x7 3/16 ½x14⅜ ¼x28¾	1x7¼ ½x14½ ¼x29	1x7 5/16 ½x14⅝ ¼x29¼	1x7⅜ ½x14¾ ¼x29½	1x7 7/16 ½x14⅞ ¼x29¾	1x7½ ½x15 ¼x30	

Example: To find the contents of one piece 1x7¼ in. 13½ ft., run down marginal figures to 13½ ft. Then opposite under 7¼ in. and you find 85/32 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x7 9/16 — Feet Board Meas.	End Size in Inches. 1x7 5/8 — Feet Board Meas.	End Size in Inches. 1x7 11/16 — Feet Board Meas.	End Size in Inches. 1x7 3/4 — Feet Board Meas.	End Size in Inches. 1x7 13/16 — Feet Board Meas.	End Size in Inches. 1x7 7/8 — Feet Board Meas.	End Size in Inches. 1x7 15/16 — Feet Board Meas.	End Size in Inches. 1x8 — Feet Board Meas.	Length
1 in.	121/2304	61/1152	41/768	31/576	125/2304	7/128	127/2304	1/18	1 in.
6 in.	121/384	61/192	41/128	31/96	125/384	21/64	127/384	1/3	6 in.
1 ft.	121/192	61/96	41/64	31/48	125/192	21/32	127/192	2/3	1 ft.
1½ "	121/128	61/64	123/128	31/32	125/128	63/64	127/128	1	1½ "
2 "	125/96	113/48	19/32	17/24	129/96	15/16	131/96	1⅓	2 "
2½ "	1221/384	1113/192	177/128	159/96	1241/384	141/64	1251/384	1⅔	2½ "
3 "	157/64	129/32	159/64	115/16	161/64	131/32	163/64	2	3 "
3½ "	279/384	243/192	231/128	225/96	2107/384	219/64	2121/384	2⅓	3½ "
4 "	225/48	213/24	29/16	27/12	229/48	25/8	231/48	2⅔	4 "
4½ "	2107/128	255/64	2113/128	229/32	2119/128	261/64	2125/128	3	4½ "
5 "	329/192	317/96	313/64	311/48	349/192	39/32	359/192	3⅓	5 "
5½ "	3179/384	395/192	367/128	353/96	3223/384	3139/64	3245/384	3⅔	5½ "
6 "	325/32	313/16	327/32	37/8	329/32	315/16	331/32	4	6 "
6½ "	437/384	425/192	421/128	419/96	489/384	417/64	4115/384	4⅓	6½ "
7 "	479/192	443/96	431/64	425/48	4107/192	419/32	4121/192	4⅔	7 "
7½ "	493/128	449/64	4103/128	427/32	4113/128	459/64	4123/128	5	7½ "
8 "	51/24	51/12	51/8	51/6	55/24	51/4	57/24	5⅓	8 "
8½ "	5137/384	577/192	557/128	547/96	5205/384	537/64	5239/384	5⅔	8½ "
9 "	543/64	523/32	549/64	513/16	555/64	529/32	561/64	6	9 "
9½ "	5379/384	671/92	611/128	613/96	671/384	615/64	6109/384	6⅓	9½ "
10 "	629/96	617/48	613/32	611/24	649/96	69/16	659/96	6⅔	10 "
10½ "	679/128	643/64	693/128	625/32	6107/128	657/64	6121/128	7	10½ "
11 "	6179/192	695/96	73/64	75/8	731/192	77/32	753/192	7⅓	11 "
11½ "	795/384	759/192	747/128	741/96	7187/384	735/64	7233/384	7⅔	11½ "
12 "	79/16	77/8	711/16	73/4	713/16	77/8	715/16	8	12 "
12½ "	7337/384	7181/192	81/128	87/96	853/384	813/64	8103/384	8⅓	12½ "
13 "	837/192	823/96	821/64	819/48	889/192	817/32	8115/192	8⅔	13 "
13½ "	865/128	837/64	883/128	823/32	8101/128	855/64	8119/128	9	13½ "
14 "	879/96	843/48	831/32	91/24	911/96	93/16	925/96	9⅓	14 "
14½ "	953/384	941/192	937/128	935/96	9169/384	933/64	9227/384	9⅔	14½ "
15 "	929/64	917/32	939/64	911/16	949/64	927/32	959/64	10	15 "
15½ "	9295/384	9163/192	9119/128	101/96	1035/384	1011/64	1097/384	10⅓	15½ "
16 "	1011/2	101/6	101/4	101/3	1055/12	101/2	1077/12	10⅔	16 "
	1x7 9/16 ½x15 1/8 ¼x30 1/4	1x7 5/8 ½x15 1/4 ¼x30 1/2	1x7 11/16 ½x15 3/8 ¼x30 3/4	1x7 3/4 ½x15 1/2 ¼x31	1x7 13/16 ½x15 5/8 ¼x31 1/4	1x7 7/8 ½x15 3/4 ¼x31 1/2	1x7 15/16 ½x15 7/8 ¼x31 3/4	1x8 ½x16 ¼x32	

Example: To find the contents of one piece 1x7 11/16 in. 14 ft. long, run down marginal figures to 14 ft. Then opposite under 7 11/16 and you find 83 1/32 ft., the answer.

See page 202 and 203 for other explanations.

7 to 8 in.
8 to 9 in.
9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches 1x8 1/16 — Feet Board Meas.	End Size in Inches 1x8 1/8 — Feet Board Meas.	End Size in Inches 1x8 3/16 — Feet Board Meas.	End Size in Inches 1x8 1/4 — Feet Board Meas.	End Size in Inches 1x8 5/16 — Feet Board Meas.	End Size in Inches 1x8 3/8 — Feet Board Meas.	End Size in Inches 1x8 7/16 — Feet Board Meas.	End Size in Inches 1x8 1/2 — Feet Board Meas.	Length
1 in.	43/768	65/1152	131/2304	11/192	133/2304	67/1152	15/256	17/288	1 in.
6 in.	43/128	65/192	131/384	11/32	133/384	67/192	45/128	17/48	6 in.
1 ft.	43/68	65/96	131/192	11/16	133/192	67/96	45/64	17/24	1 ft.
1½ "	1 1/64	1 1/64	1 3/128	1 1/32	1 5/128	1 3/64	1 7/128	1 1/16	1½ "
2 "	1 11/32	1 17/48	1 35/96	1 3/8	1 37/96	1 19/48	1 13/32	1 5/12	2 "
2½ "	1 87/128	1 133/192	1 271/384	1 23/32	1 281/384	1 143/192	1 97/128	1 37/48	2½ "
3 "	2 1/68	2 1/32	2 3/64	2 1/16	2 5/64	2 3/32	2 7/64	2 1/8	3 "
3½ "	2 45/128	2 71/192	2 149/384	2 13/32	2 163/384	2 85/192	2 59/128	2 23/48	3½ "
4 "	2 11/16	2 17/24	2 35/48	2 3/4	2 37/48	2 19/24	2 13/16	2 5/6	4 "
4½ "	3 3/128	3 3/64	3 9/128	3 3/32	3 15/128	3 9/64	3 21/128	3 3/16	4½ "
5 "	3 23/68	3 37/96	3 79/192	3 7/16	3 89/192	3 47/96	3 33/64	3 13/24	5 "
5½ "	3 89/128	3 139/192	3 289/384	3 25/32	3 311/384	3 161/192	3 111/128	3 43/48	5½ "
6 "	4 1/32	4 1/16	4 3/32	4 1/8	4 5/32	4 3/16	4 7/32	4 1/4	6 "
6½ "	4 47/128	4 77/192	4 167/384	4 15/32	4 193/384	4 103/192	4 73/128	4 29/48	6½ "
7 "	4 45/64	4 71/96	4 149/192	4 13/16	4 163/192	4 85/96	4 59/64	4 23/24	7 "
7½ "	5 5/128	5 5/64	5 15/128	5 5/32	5 25/128	5 15/64	5 35/128	5 5/16	7½ "
8 "	5 3/8	5 5/12	5 11/24	5 1/2	5 13/24	5 7/12	5 5/8	5 2/3	8 "
8½ "	5 91/128	5 145/192	5 307/384	5 27/32	5 341/384	5 179/192	5 125/128	6 1/48	8½ "
9 "	6 3/64	6 3/32	6 9/64	6 3/16	6 15/64	6 9/32	6 21/64	6 3/8	9 "
9½ "	6 49/128	6 83/192	6 185/384	6 17/32	6 223/384	6 121/192	6 87/128	6 35/48	9½ "
10 "	6 23/32	6 37/48	6 79/96	6 7/8	6 89/96	6 47/48	7 1/32	7 1/12	10 "
10½ "	7 7/128	7 7/64	7 21/128	7 7/32	7 35/128	7 21/64	7 49/128	7 7/16	10½ "
11 "	7 25/64	7 43/96	7 97/192	7 9/16	7 119/192	7 65/96	7 47/64	7 19/24	11 "
11½ "	7 93/128	7 151/192	7 325/384	7 29/32	7 371/384	8 5/192	8 11/128	8 7/48	11½ "
12 "	8 1/16	8 1/8	8 3/16	8 1/4	8 5/16	8 3/8	8 7/16	8 1/2	12 "
12½ "	8 51/128	8 89/192	8 203/384	8 19/32	8 253/384	8 139/192	8 101/128	8 41/48	12½ "
13 "	8 47/64	8 77/96	8 167/192	8 15/16	9 1/192	9 7/96	9 9/64	9 5/24	13 "
13½ "	9 9/128	9 9/64	9 27/128	9 9/32	9 45/128	9 27/64	9 63/128	9 9/16	13½ "
14 "	9 13/32	9 23/48	9 53/96	9 5/8	9 67/96	9 37/48	9 27/32	9 11/12	14 "
14½ "	9 95/128	9 157/192	9 343/384	9 31/32	10 17/384	10 23/192	10 25/128	10 13/48	14½ "
15 "	10 5/64	10 5/32	10 15/64	10 5/16	10 25/64	10 15/32	10 35/64	10 5/8	15 "
15½ "	10 53/128	10 95/192	10 221/384	10 21/32	10 283/384	10 157/192	10 115/128	10 47/48	15½ "
16 "	10 3/4	10 5/6	10 11/12	11	11 1/12	11 1/6	11 1/4	11 1/3	16 "
	1x8 1/16 ½x16 1/8 ¼x32 1/4	1x8 1/8 ½x16 1/4 ¼x32 1/2	1x8 3/16 ½x16 3/8 ¼x32 3/4	1x8 1/4 ½x16 1/2 ¼x33	1x8 5/16 ½x16 5/8 ¼x33 1/4	1x8 3/8 ½x16 3/4 ¼x33 1/2	1x8 7/16 ½x16 7/8 ¼x33 3/4	1x8 1/2 ½x17 ¼x34	

Example: To find the contents of one piece 1x8⅛ in. 10 ft. long, run down marginal figures to 10 ft. Then opposite under 1x8⅛ in. and you find 63 7/48 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x8 9/16 — Feet Board Meas.	End Size in Inches. 1x8 5/8 — Feet Board Meas.	End Size in Inches. 1x8 11/16 — Feet Board Meas.	End Size in Inches. 1x8 3/4 — Feet Board Meas.	End Size in Inches. 1x8 13/16 — Feet Board Meas.	End Size in Inches. 1x8 7/8 — Feet Board Meas.	End Size in Inches. 1x8 15/16 — Feet Board Meas.	End Size in Inches. 1x9 — Feet Board Meas.	Length
1 in.	137/2304	23/384	139/2304	35/576	47/768	71/1152	143/2304	1/16	1 in.
6 in.	137/384	23/64	139/384	35/96	47/128	71/192	143/384	3/8	6 in.
1 ft.	137/192	23/32	139/192	35/48	47/64	71/96	143/192	3/4	1 ft.
1½ "	1 9/128	1 5/64	1 11/128	1 3/32	1 13/128	1 7/64	1 15/128	1 1/8	1½ "
2 "	1 141/96	1 7/16	1 143/96	1 11/24	1 15/32	1 23/48	1 147/96	1 1/2	2 "
2½ "	1 301/384	1 51/64	1 311/384	1 79/96	1 107/128	1 163/192	1 331/384	1 7/8	2½ "
3 "	2 9/64	2 5/32	2 11/64	2 3/16	2 13/64	2 7/32	2 15/64	2 1/4	3 "
3½ "	2 191/384	2 23/64	2 205/384	2 53/96	2 73/128	2 113/192	2 233/384	2 5/8	3½ "
4 "	2 41/48	2 7/8	2 43/48	2 11/12	2 15/16	2 23/24	2 17/48	3	4 "
4½ "	3 27/128	3 15/64	3 33/128	3 9/32	3 39/128	3 21/64	3 45/128	3 3/8	4½ "
5 "	3 109/192	3 19/32	3 119/192	3 31/48	3 43/64	3 67/96	3 139/192	3 3/4	5 "
5½ "	3 355/384	3 61/64	3 377/384	4 1/96	4 5/128	4 13/192	4 37/384	4 1/8	5½ "
6 "	4 9/32	4 5/16	4 11/32	4 3/8	4 13/32	4 7/16	4 15/32	4 1/2	6 "
6½ "	4 245/384	4 43/64	4 271/384	4 71/96	4 99/128	4 155/192	4 323/384	4 7/8	6½ "
7 "	4 191/192	5 1/32	5 13/192	5 5/48	5 9/64	5 17/96	5 41/192	5 1/4	7 "
7½ "	5 45/128	5 25/64	5 55/128	5 15/32	5 105/128	5 35/64	5 75/128	5 5/8	7½ "
8 "	5 17/24	5 3/4	5 19/24	5 5/6	5 7/8	5 11/12	5 23/24	6	8 "
8½ "	6 25/384	6 7/64	6 59/384	6 19/96	6 31/128	6 55/192	6 127/384	6 3/8	8½ "
9 "	6 27/64	6 15/32	6 33/64	6 9/16	6 39/64	6 21/32	6 45/64	6 3/4	9 "
9½ "	6 299/384	6 53/64	6 337/384	6 89/96	6 125/128	7 5/192	7 29/384	7 1/8	9½ "
10 "	7 13/96	7 3/16	7 23/96	7 7/24	7 11/32	7 19/48	7 43/96	7 1/2	10 "
10½ "	7 63/128	7 35/64	7 77/128	7 21/32	7 91/128	7 49/64	7 105/128	7 7/8	10½ "
11 "	7 163/192	7 29/32	7 185/192	8 1/48	8 5/64	8 13/96	8 37/192	8 1/4	11 "
11½ "	8 79/384	8 17/64	8 125/384	8 37/96	8 57/128	8 97/192	8 217/384	8 5/8	11½ "
12 "	8 9/16	8 5/8	8 11/16	8 3/4	8 13/16	8 7/8	8 15/16	9	12 "
12½ "	8 353/384	8 63/64	9 19/384	9 11/96	9 23/128	9 47/192	9 119/384	9 3/8	12½ "
13 "	9 53/192	9 11/32	9 79/192	9 23/48	9 35/64	9 59/96	9 131/192	9 3/4	13 "
13½ "	9 81/128	9 45/64	9 99/128	9 27/32	9 117/128	9 63/64	10 7/128	10 1/8	13½ "
14 "	9 95/96	10 1/16	10 13/96	10 5/24	10 9/32	10 17/48	10 41/96	10 1/2	14 "
14½ "	10 133/384	10 27/64	10 191/384	10 55/96	10 83/128	10 139/192	10 307/384	10 7/8	14½ "
15 "	10 45/64	10 25/32	10 55/64	10 15/16	11 1/64	11 3/32	11 11/64	11 1/4	15 "
15½ "	11 23/384	11 1/64	11 85/384	11 29/96	11 49/128	11 89/192	11 209/384	11 5/8	15½ "
16 "	11 5/12	11 1/2	11 7/12	11 2/3	11 3/4	11 5/6	11 11/12	12	16 "
	1x8 9/16 — ½x17 1/8 — ¼x34 1/4	1x8 5/8 — ½x17 1/4 — ¼x34 1/2	1x8 11/16 — ½x17 3/8 — ¼x34 3/4	1x8 3/4 — ½x17 1/2 — ¼x35	1x8 13/16 — ½x17 5/8 — ¼x35 1/4	1x8 7/8 — ½x17 3/4 — ¼x35 1/2	1x8 15/16 — ½x17 7/8 — ¼x35 3/4	1x9 — ½x18 — ¼x36	

Example: To find the contents of one piece 1x8 15/16 in. 11 ft., run down marginal figures to 11 ft. Then opposite under 8 15/16 and you find 8 37/192 ft., the answer.

See page 202 and 203 for other explanations.

8 to 9 in.
9 to 10 in.
10 to 11 in
to 12 in.
Log Scales.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x9 1/16 — Feet Board Meas.	End Size in Inches. 1x9 1/8 — Feet Board Meas.	End Size in Inches. 1x9 3/16 — Feet Board Meas.	End Size in Inches. 1x9 1/4 — Feet Board Meas.	End Size in Inches. 1x9 5/16 — Feet Board Meas.	End Size in Inches. 1x9 3/8 — Feet Board Meas.	End Size in Inches. 1x9 7/16 — Feet Board Meas.	End Size in Inches. 1x9 1/2 — Feet Board Meas.	Length
1 in.	145/2304	73/1152	49/768	37/576	149/2304	25/384	151/2304	19/288	1 in.
6 in.	145/384	73/192	49/128	37/96	149/384	25/64	151/384	19/48	6 in.
1 ft.	145/192	73/96	49/64	37/48	149/192	25/32	151/192	19/24	1 ft.
1½ "	1 17/128	1 9/64	1 19/128	1 5/32	1 21/128	1 11/64	1 23/128	1 3/16	1½ "
2 "	1 49/96	1 25/48	1 17/32	1 13/24	1 53/96	1 9/16	1 55/96	1 7/12	2 "
2½ "	1 341/384	1 173/192	1 117/128	1 89/96	1 361/384	1 61/64	1 371/384	1 47/48	2½ "
3 "	2 17/64	2 9/32	2 19/64	2 5/16	2 21/64	2 11/32	2 23/64	2 3/8	3 "
3½ "	2 247/384	2 127/192	2 87/128	2 67/96	2 275/384	2 47/64	2 289/384	2 37/48	3½ "
4 "	3 1/48	3 1/24	3 1/16	3 1/12	3 5/48	3 1/8	3 7/48	3 1/6	4 "
4½ "	3 51/128	3 27/64	3 57/128	3 15/32	3 63/128	3 33/64	3 69/128	3 9/16	4½ "
5 "	3 149/192	3 77/96	3 53/64	3 41/48	3 169/192	3 29/32	3 179/192	3 23/24	5 "
5½ "	4 59/384	4 35/192	4 27/128	4 23/96	4 103/384	4 19/64	4 125/384	4 17/48	5½ "
6 "	4 17/32	4 9/16	4 19/32	4 5/8	4 21/32	4 11/16	4 23/32	4 3/4	6 "
6½ "	4 349/384	4 181/192	4 125/128	5 1/96	5 17/384	5 5/64	5 43/384	5 7/48	6½ "
7 "	5 55/192	5 31/96	5 23/64	5 19/48	5 83/192	5 15/32	5 97/192	5 13/24	7 "
7½ "	5 85/128	5 45/64	5 95/128	5 25/32	5 105/128	5 55/64	5 115/128	5 15/16	7½ "
8 "	6 1/24	6 1/12	6 1/8	6 1/6	6 5/24	6 1/4	6 7/24	6 1/3	8 "
8½ "	6 161/384	6 89/192	6 65/128	6 53/96	6 229/384	6 41/64	6 263/384	6 35/48	8½ "
9 "	6 51/64	6 27/32	6 57/64	6 15/16	6 63/64	7 1/32	7 5/64	7 1/8	9 "
9½ "	7 67/384	7 43/192	7 35/128	7 31/96	7 143/384	7 27/64	7 181/384	7 25/48	9½ "
10 "	7 53/96	7 29/48	7 21/32	7 17/24	7 73/96	7 13/16	7 83/96	7 11/12	10 "
10½ "	7 119/128	7 63/64	8 5/128	8 3/32	8 19/128	8 13/64	8 33/128	8 5/16	10½ "
11 "	8 59/192	8 35/96	8 27/64	8 23/48	8 103/192	8 19/32	8 125/192	8 17/24	11 "
11½ "	8 263/384	8 143/192	8 103/128	8 83/96	8 355/384	8 63/64	9 17/384	9 5/48	11½ "
12 "	9 1/16	9 1/8	9 3/16	9 1/4	9 5/16	9 3/8	9 7/16	9 1/2	12 "
12½ "	9 169/384	9 97/192	9 73/128	9 61/96	9 269/384	9 49/64	9 319/384	9 43/48	12½ "
13 "	9 157/192	9 85/96	9 61/64	10 1/48	10 17/192	10 5/32	10 43/192	10 7/24	13 "
13½ "	10 23/128	10 17/64	10 43/128	10 13/32	10 61/128	10 35/64	10 79/128	10 11/16	13½ "
14 "	10 55/96	10 31/48	10 23/32	10 19/24	10 83/96	10 15/16	11 1/96	11 1/12	14 "
14½ "	10 365/384	11 5/192	11 13/128	11 17/96	11 97/384	11 25/64	11 155/384	11 23/48	14½ "
15 "	11 21/64	11 3/32	11 31/64	11 9/16	11 41/64	11 23/32	11 51/64	11 7/8	15 "
15½ "	11 271/384	11 151/192	11 111/128	11 91/96	12 11/384	12 7/64	12 73/384	12 13/48	15½ "
16 "	12 1/12	12 1/6	12 1/4	12 1/3	12 5/12	12 1/2	12 7/12	12 2/3	16 "
	1x9 1/16 ½x18 1/8 ¼x36 1/4	1x9 1/8 ½x18 1/4 ¼x36 1/2	1x9 3/16 ½x18 3/8 ¼x36 3/4	1x9 1/4 ½x18 1/2 ¼x37	1x9 5/16 ½x18 5/8 ¼x37 1/4	1x9 3/8 ½x18 3/4 ¼x37 1/2	1x9 7/16 ½x18 7/8 ¼x37 3/4	1x9 1/2 ½x19 ¼x38	

Example: To find the contents of one piece 1x9 5/16 in. 13 ft. long, run down marginal figures to 13 ft. Then opposite under 9 5/16 and you find 10 17/192 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x9 9/16 — Feet Board Meas.	End Size in Inches. 1x9 5/8 — Feet Board Meas.	End Size in Inches. 1x9 11/16 — Feet Board Meas.	End Size in Inches. 1x9 3/4 — Feet Board Meas.	End Size in Inches. 1x9 13/16 — Feet Board Meas.	End Size in Inches. 1x9 7/8 — Feet Board Meas.	End Size in Inches. 1x9 15/16 — Feet Board Meas.	End Size in Inches. 1x10 — Feet Board Meas.	Length
1 in.	17/256	77/1152	155/2304	13/192	157/2304	79/1152	53/768	5/72	1 in.
6 in.	51/128	77/192	155/384	13/32	157/384	79/192	53/128	5/12	6 in.
1 ft.	51/64	77/96	155/192	13/16	157/192	79/96	53/64	5/6	1 ft.
1½ "	1 25/128	1 13/64	1 27/128	1 7/32	1 29/128	1 15/64	1 31/128	1¼	1½ "
2 "	1 19/32	1 29/48	1 59/96	1 5/8	1 61/96	1 31/48	1 21/32	1⅔	2 "
2½ "	1 125/128	2 1/192	2 7/384	2 1/32	2 17/384	2 11/192	2 9/128	2 1/12	2½ "
3 "	2 25/64	2 1/32	2 27/64	2 1/16	2 29/64	2 15/32	2 31/64	2½	3 "
3½ "	2 101/128	2 155/192	2 317/384	2 27/32	2 333/384	2 169/192	2 115/128	2 11/12	3½ "
4 "	3 3/16	3 5/24	3 11/48	3¼	3 13/48	3 7/24	3 5/16	3⅓	4 "
4½ "	3 75/128	3 39/64	3 81/128	3 21/32	3 87/128	3 45/64	3 93/128	3¾	4½ "
5 "	3 63/64	4 1/96	4 7/192	4 1/16	4 17/192	4 11/96	4 9/64	4⅙	5 "
5½ "	4 49/128	4 7/192	4 169/384	4 15/32	4 191/384	4 101/192	4 71/128	4 7/12	5½ "
6 "	4 25/32	4 13/16	4 27/32	4⅞	4 29/32	4 15/16	4 31/32	5	6 "
6½ "	5 23/128	5 1/192	5 95/384	5 9/32	5 121/384	5 67/192	5 49/128	5 5/12	6½ "
7 "	5 87/64	5 59/96	5 125/192	5 11/16	5 139/192	5 73/96	5 51/64	5⅚	7 "
7½ "	5 125/128	6 1/64	6 7/128	6 3/32	6 17/128	6 11/64	6 27/128	6¼	7½ "
8 "	6 3/8	6 5/12	6 11/24	6½	6 13/24	6 7/12	6 5/8	6⅔	8 "
8½ "	6 99/128	6 157/192	6 331/384	6 29/32	6 365/384	6 191/192	7 5/128	7 1/12	8½ "
9 "	7 11/64	7 7/32	7 17/64	7 5/16	7 23/64	7 13/32	7 29/64	7½	9 "
9½ "	7 73/128	7 119/192	7 257/384	7 23/32	7 295/384	7 157/192	7 111/128	7 11/12	9½ "
10 "	7 31/32	8 1/48	8 7/96	8⅛	8 17/96	8 11/48	8 9/32	8⅓	10 "
10½ "	8 47/128	8 27/64	8 61/128	8 17/32	8 75/128	8 41/64	8 89/128	8¾	10½ "
11 "	8 49/64	8 79/96	8 169/192	8 15/16	8 191/192	9 5/96	9 7/64	9⅛	11 "
11½ "	9 21/128	9 43/192	9 109/384	9 11/32	9 155/384	9 89/192	9 67/128	9 7/12	11½ "
12 "	9 9/16	9 5/8	9 11/16	9¾	9 13/16	9 7/8	9 15/16	10	12 "
12½ "	9 123/128	10 5/192	10 35/384	10 5/32	10 85/384	10 55/192	10 45/128	10 5/12	12½ "
13 "	10 23/64	10 41/96	10 95/192	10 9/16	10 121/192	10 67/96	10 49/64	10⅚	13 "
13½ "	10 97/128	10 53/64	10 115/128	10 31/32	11 5/128	11 7/64	11 23/128	11¼	13½ "
14 "	11 5/32	11 11/48	11 29/96	11⅜	11 43/96	11 25/48	11 19/32	11⅔	14 "
14½ "	11 71/128	11 121/192	11 271/384	11 25/32	11 329/384	11 179/192	12 1/128	12 1/12	14½ "
15 "	11 61/64	12 1/32	12 7/64	12 3/16	12 17/64	12 11/32	12 27/64	12½	15 "
15½ "	12 45/128	12 83/192	12 197/384	12 19/32	12 259/384	12 145/192	12 107/128	12 11/12	15½ "
16 "	12¾	12 5/6	12 11/12	13	13 1/12	13 1/6	13¼	13⅓	16 "
	1x9 9/16	1x9 5/8	1x9 11/16	1x9 3/4	1x9 13/16	1x9 7/8	1x9 15/16	1x10	
	½x19 1/8	½x19 1/4	½x19 3/8	½x19½	½x19 5/8	½x19 3/4	½x19 7/8	½x20	
	¼x38 1/4	¼x38½	¼x38 3/4	¼x39	¼x39 1/4	¼x39½	¼x39 3/4	¼x40	

9 to 10 in.
10 to 11 in.
11 to 12 in.
Log Scales.

Example: To find the contents of one piece 1x9¾ in. 9 ft. long, run down marginal figures to 9 ft. Then opposite under 9¾ in. and you find 7 5/16 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x10 1/16 — Feet Board Meas.	End Size in Inches. 1x10 1/8 — Feet Board Meas.	End Size in Inches. 1x10 3/16 — Feet Board Meas.	End Size in Inches. 1x10 1/4 — Feet Board Meas.	End Size in Inches. 1x10 5/16 — Feet Board Meas.	End Size in Inches. 1x10 3/8 — Feet Board Meas.	End Size in Inches. 1x10 7/16 — Feet Board Meas.	End Size in Inches. 1x10 1/2 — Feet Board Meas.	Length
1 in.	161/2304	9/128	163/2304	41/576	55/768	83/1152	167/2304	7/96	1 in.
6 in.	161/384	27/64	163/384	41/96	55/128	83/192	167/384	7/16	6 in.
1 ft.	161/192	27/32	163/192	41/48	55/64	83/96	167/192	7/8	1 ft.
1½ "	133/128	117/64	135/128	19/32	137/128	119/64	139/128	15/16	1½ "
2 "	165/96	111/16	167/96	117/24	123/32	135/48	171/96	13/4	2 "
2½ "	2371/384	27/64	2477/384	213/96	2191/128	2311/192	2671/384	23/16	2½ "
3 "	233/64	217/32	235/64	29/16	237/64	219/32	239/64	25/8	3 "
3½ "	2359/384	261/64	2373/384	295/96	31/128	35/192	3171/384	31/16	3½ "
4 "	3171/48	33/8	319/48	35/12	37/16	311/24	323/48	31/2	4 "
4½ "	3991/128	351/64	3105/128	327/32	3111/128	357/64	3117/128	315/16	4½ "
5 "	437/192	47/32	447/192	413/48	419/64	431/96	467/192	43/8	5 "
5½ "	4235/384	441/64	4257/384	467/96	493/128	4145/192	4301/384	413/16	5½ "
6 "	51/32	51/16	53/32	51/8	55/32	53/16	57/32	51/4	6 "
6½ "	5173/384	531/64	5199/384	553/96	573/128	5119/192	5251/384	511/16	6½ "
7 "	5167/192	529/32	5181/192	547/48	61/64	65/96	617/192	61/8	7 "
7½ "	637/128	621/64	647/128	613/32	657/128	631/64	667/128	69/16	7½ "
8 "	617/24	63/4	619/24	65/8	67/8	611/12	623/24	7	8 "
8½ "	749/384	711/64	783/384	725/96	739/128	767/192	7151/384	77/16	8½ "
9 "	735/64	719/32	741/64	711/16	747/64	725/32	753/64	77/8	9 "
9½ "	7371/384	81/64	825/384	811/96	821/128	841/192	8101/384	85/16	9½ "
10 "	837/96	87/16	847/96	813/24	819/32	831/48	867/96	83/4	10 "
10½ "	8103/128	855/64	8117/128	831/32	93/128	95/64	917/128	93/16	10½ "
11 "	943/192	99/32	965/192	919/48	929/64	949/96	9109/192	95/8	11 "
11½ "	9247/384	945/64	9293/384	979/96	9113/128	9181/192	101/384	101/16	11½ "
12 "	101/16	101/8	103/16	101/4	105/16	103/8	107/16	101/2	12 "
12½ "	10185/384	10365/64	10235/384	10665/96	1095/128	10155/192	10335/384	1015/16	12½ "
13 "	10173/192	1031/32	117/192	115/48	111/64	1123/96	1159/192	113/8	13 "
13½ "	1141/128	1125/64	1159/128	1117/32	1177/128	1143/64	1193/128	1113/16	13½ "
14 "	1171/96	1113/16	1185/96	1123/24	121/32	125/48	1217/96	121/4	14 "
14½ "	1261/384	1215/64	12119/384	1237/96	1259/128	12103/192	12235/384	1211/16	14½ "
15 "	1237/64	1221/32	1247/64	1213/16	1257/64	1231/32	133/64	131/8	15 "
15½ "	12383/384	1335/64	1361/384	1323/96	1341/128	1377/192	13185/384	1319/16	15½ "
16 "	1353/12	131/2	1371/12	1313/3	133/4	1355/6	1311/12	14	16 "
	1x10 1/16 ½x20 1/8 ¼x40 1/4	1x10 1/8 ½x20 1/4 ¼x40 1/2	1x10 3/16 ½x20 3/8 ¼x40 3/4	1x10 1/4 ½x20 1/2 ¼x41	1x10 5/16 ½x20 5/8 ¼x41 1/4	1x10 3/8 ½x20 3/4 ¼x41 1/2	1x10 7/16 ½x20 7/8 ¼x41 3/4	1x10 1/2 ½x21 ¼x42	

Example: To find the contents of one piece 1x10 5/16 in. 9 ft., run down marginal figures to 9 ft. Then opposite under 1x10 5/16 in. and you find 747/64 ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x10 9/16 — Feet Board Meas.	End Size in Inches. 1x10 5/8 — Feet Board Meas.	End Size in Inches. 1x10 11/16 — Feet Board Meas.	End Size in Inches. 1x10 3/4 — Feet Board Meas.	End Size in Inches. 1x10 13/16 — Feet Board Meas.	End Size in Inches. 1x10 7/8 — Feet Board Meas.	End Size in Inches. 1x10 15/16 — Feet Board Meas.	End Size in Inches 1x11 — Feet Board Meas.	Length
1 in.	169/2304	85/1152	19/256	43/576	173/2304	29/384	175/2304	11/144	1 in.
6 in.	169/384	85/192	57/128	43/96	173/384	29/64	175/384	11/24	6 in.
1 ft.	169/192	85/96	57/64	43/48	173/192	29/32	175/192	11/12	1 ft.
1½ "	141/128	121/64	143/128	111/32	145/128	123/64	147/128	13/8	1½ "
2 "	173/96	137/48	125/32	119/24	177/96	113/16	179/96	15/6	2 "
2½ "	277/384	241/192	229/128	223/96	297/384	217/64	2107/384	27/24	2½ "
3 "	241/64	221/32	243/64	211/16	245/64	223/32	247/64	23/4	3 "
3½ "	331/384	319/192	315/128	313/96	359/384	311/64	373/384	35/24	3½ "
4 "	325/48	313/24	39/16	37/12	329/48	35/8	331/48	33/8	4 "
4½ "	3123/128	363/64	41/128	41/32	47/128	45/64	413/128	41/8	4½ "
5 "	477/192	441/96	429/64	423/48	497/192	417/32	4107/192	47/12	5 "
5½ "	4323/384	4167/192	4115/128	489/96	4367/384	463/64	55/384	51/24	5½ "
6 "	59/32	55/16	511/32	53/8	513/32	57/16	515/32	51/2	6 "
6½ "	5277/384	5145/192	5101/128	579/96	5329/384	557/64	5355/384	523/24	6½ "
7 "	631/192	619/96	615/64	613/48	659/192	611/32	673/192	65/12	7 "
7½ "	677/128	641/64	687/128	623/32	697/128	651/64	6107/128	67/8	7½ "
8 "	71/24	71/12	71/8	71/6	725/24	714	727/24	713/3	8 "
8½ "	7185/384	7101/192	773/128	759/96	7253/384	7145/64	7287/384	719/24	8½ "
9 "	759/64	731/32	81/64	813/16	87/64	85/32	813/64	814	9 "
9½ "	8139/384	879/192	859/128	819/96	8215/384	839/64	8253/384	817/24	9½ "
10 "	877/96	841/48	829/32	823/24	91/96	911/6	911/96	91/6	10 "
10½ "	931/128	919/64	945/128	913/32	959/128	933/64	973/128	95/8	10½ "
11 "	9131/192	971/96	951/64	941/48	9175/192	931/32	105/192	101/12	11 "
11½ "	1047/384	1035/192	1031/128	1029/96	10139/384	1027/64	10185/384	1013/24	11½ "
12 "	109/16	105/8	1011/16	103/4	1013/16	107/8	1015/16	11	12 "
12½ "	111/384	1113/192	1117/128	1119/96	11101/384	1121/64	11151/384	1111/24	12½ "
13 "	1185/192	1149/96	1137/64	1131/48	11137/192	1125/32	11163/192	1111/12	13 "
13½ "	11113/128	1161/64	123/128	123/32	1221/128	1215/64	12339/128	1238	13½ "
14 "	1231/96	1219/48	1215/32	1213/24	1259/96	1211/16	1273/96	1256	14 "
14½ "	12293/384	12161/192	12117/128	12953/96	1325/384	1339/64	13383/384	1337/24	14½ "
15 "	1313/64	1339/32	1323/64	1317/16	13333/64	1319/32	1343/64	1334	15 "
15½ "	13247/384	13139/192	13103/128	1385/96	13371/384	1483/64	14149/384	145/24	15½ "
16 "	1411/12	1416	1414	1413	1451/2	1412	1471/2	1423	16 "
	1x10 9/16 — ½x21 1/8 — ¼x42 1/4	1x10 5/8 — ½x21 1/4 — ¼x42 1/2	1x10 11/16 — ½x21 3/8 — ¼x42 3/4	1x10 3/4 — ½x21 1/2 — ¼x43	1x10 13/16 — ½x21 5/8 — ¼x43 1/4	1x10 7/8 — ½x21 3/4 — ¼x43 1/2	1x10 15/16 — ½x21 7/8 — ¼x43 3/4	1x11 — ½x22 — ¼x44	

Example: To find the contents of one piece 1x10¾ in. 11 ft., run down marginal figures to 11 ft. Then opposite under 1x10¾ and you find 94¼8 ft., the answer.

See page 202 and 203 for other explanations.

10 to 11 In.
to 12 In.
Log Scales.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches 1x11 1/16 — Feet Board Meas.	End Size in Inches 1x11 1/8 — Feet Board Meas.	End Size in Inches 1x11 3/16 — Feet Board Meas.	End Size in Inches 1x11 1/4 — Feet Board Meas.	End Size in Inches 1x11 5/16 — Feet Board Meas.	End Size in Inches 1x11 3/8 — Feet Board Meas.	End Size in Inches 1x11 7/16 — Feet Board Meas.	End Size in Inches 1x11 1/2 — Feet Board Meas.	Length
1 in.	59/768	89/1152	179/2304	5/64	181/2304	91/1152	61/768	23/288	1 in.
6 in.	59/128	89/192	179/384	15/32	181/384	91/192	61/128	23/48	6 in.
1 ft.	59/64	89/96	179/192	15/16	181/192	91/96	61/64	23/24	1 ft.
1½ "	149/128	125/64	151/128	113/32	153/128	127/64	155/128	17/16	1½ "
2 "	127/32	141/48	183/96	17/8	185/96	143/48	129/32	111/12	2 "
2½ "	239/128	261/192	2127/384	211/32	2137/384	271/192	249/128	219/48	2½ "
3 "	249/64	225/32	251/64	213/16	253/64	227/32	255/64	27/8	3 "
3½ "	329/128	347/192	3101/384	39/32	3115/384	361/192	343/128	317/48	3½ "
4 "	311/16	317/24	335/48	33/4	337/48	319/24	313/16	35/6	4 "
4½ "	419/128	411/64	425/128	47/32	431/128	417/64	437/128	45/16	4½ "
5 "	439/64	461/96	4127/192	411/16	4137/192	471/96	449/64	419/24	5 "
5½ "	59/128	519/192	549/384	55/32	571/384	541/192	531/128	513/48	5½ "
6 "	517/32	59/16	519/32	55/8	521/32	511/16	523/32	53/4	6 "
6½ "	5127/128	65/192	623/384	63/32	649/384	631/192	625/128	611/48	6½ "
7 "	629/64	647/96	6101/192	69/16	6115/192	661/96	643/64	617/24	7 "
7½ "	6117/128	661/64	6127/128	71/32	79/128	77/64	719/128	73/16	7½ "
8 "	73/8	75/12	711/24	71/2	713/24	77/12	75/8	72/3	8 "
8½ "	7107/128	7169/192	7355/384	731/32	85/384	811/192	813/128	87/48	8½ "
9 "	819/64	811/32	825/64	87/16	831/64	817/32	837/64	85/8	9 "
9½ "	897/128	8155/192	8329/384	829/32	8367/384	91/192	97/128	95/48	9½ "
10 "	97/32	913/48	931/96	93/8	941/96	923/48	917/32	97/12	10 "
10½ "	987/128	947/64	9101/128	927/32	9115/128	961/64	1011/128	1011/16	10½ "
11 "	109/64	1019/96	1049/192	1035/16	1071/192	1041/96	1031/64	1013/24	11 "
11½ "	1077/128	10127/192	10277/384	1025/32	10323/384	10173/192	10123/128	111/48	11½ "
12 "	111/16	113/8	113/16	111/4	115/16	113/8	117/16	111/2	12 "
12½ "	1167/128	11113/192	11251/384	1123/32	11301/384	11163/192	11117/128	1147/48	12½ "
13 "	1163/64	1259/96	1223/192	123/16	1249/192	1231/96	1225/64	1211/24	13 "
13½ "	1257/128	1233/64	1275/128	1221/32	1293/128	1251/64	12111/128	12115/16	13½ "
14 "	1229/32	1247/48	133/96	131/8	1319/96	1313/48	1311/32	1351/2	14 "
14½ "	1347/128	1385/192	13199/384	1319/32	13257/384	13143/192	13105/128	1343/48	14½ "
15 "	1353/64	1329/32	1363/64	1411/16	1494/64	1473/32	1419/64	1483/8	15 "
15½ "	1437/128	1471/192	14173/384	1417/32	14235/384	14133/192	1499/128	1441/48	15½ "
16 "	143/4	145/6	1411/12	15	151/12	151/6	151/4	151/3	16 "
	1x11 1/16 — ½x22 1/8 — ¼x44 1/4	1x11 1/8 — ½x22 1/4 — ¼x44 1/2	1x11 3/16 — ½x22 3/8 — ¼x44 3/4	1x11 1/4 — ½x22 1/2 — ¼x45	1x11 5/16 — ½x22 5/8 — ¼x45 1/4	1x11 3/8 — ½x22 3/4 — ¼x45 1/2	1x11 7/16 — ½x22 7/8 — ¼x45 3/4	1x11 1/2 — ½x23 — ¼x46	

Example: To find the contents of one piece 1x11⅛ in. 8 ft. long, run down marginal figures to 8 ft. Then opposite under 1x11⅛ in. and you find 7⅝ ft., the answer.

See page 202 and 203 for other explanations.

TABLE OF MEASUREMENTS

For Flooring, Ceiling, Siding, Box Work, Mouldings, Etc.

Showing the number of feet Board Measure, per lineal inch, six inches, and for each additional six inches up to sixteen feet.

Length	End Size in Inches. 1x11 9/16 Feet Board Meas.	End Size in Inches. 1x11 5/8 Feet Board Meas.	End Size in Inches. 1x11 11/16 Feet Board Meas.	End Size in Inches. 1x11 3/4 Feet Board Meas.	End Size in Inches. 1x11 13/16 Feet Board Meas.	End Size in Inches. 1x11 7/8 Feet Board Meas.	End Size in Inches. 1x11 15/16 Feet Board Meas.	End Size in Inches. 1x12 Feet Board Meas.	Length
1 in.	185/2304	31/384	187/2304	47/576	21/256	95/1152	191/2304	1/12	1 in.
6 in.	185/384	31/64	187/384	47/96	63/128	95/192	191/384	1/2	6 in.
1 ft.	185/192	31/32	187/192	47/48	63/64	95/96	191/192	1	1 ft.
1½ "	1 57/128	1 29/64	1 59/128	1 15/32	1 61/128	1 31/64	1 63/128	1½	1½ "
2 "	1 89/96	1 15/16	1 91/96	1 23/24	1 31/32	1 47/48	1 95/96	2	2 "
2½ "	2 157/384	2 27/64	2 167/384	2 43/96	2 59/128	2 91/192	2 187/384	2½	2½ "
3 "	2 57/64	2 29/32	2 59/64	2 15/16	2 61/64	2 31/32	2 63/64	3	3 "
3½ "	3 143/384	3 25/64	3 157/384	3 41/96	3 57/128	3 89/192	3 185/384	3½	3½ "
4 "	3 41/48	3 7/8	3 43/48	3 11/12	3 15/16	3 23/24	3 47/48	4	4 "
4½ "	4 43/128	4 23/64	4 49/128	4 13/32	4 55/128	4 29/64	4 61/128	4½	4½ "
5 "	4 157/192	4 27/32	4 167/192	4 43/48	4 59/64	4 91/96	4 187/192	5	5 "
5½ "	5 115/384	5 21/64	5 137/384	5 37/96	5 53/128	5 85/192	5 181/384	5½	5½ "
6 "	5 25/32	5 13/16	5 27/32	5 7/8	5 29/32	5 15/16	5 31/32	6	6 "
6½ "	6 101/384	6 19/64	6 127/384	6 35/96	6 51/128	6 83/192	6 179/384	6½	6½ "
7 "	6 143/192	6 25/32	6 157/192	6 41/48	6 57/64	6 89/96	6 185/192	7	7 "
7½ "	7 29/128	7 17/64	7 39/128	7 11/32	7 49/128	7 27/64	7 59/128	7½	7½ "
8 "	7 17/24	7 3/4	7 19/24	7 5/6	7 7/8	7 11/12	7 23/24	8	8 "
8½ "	8 73/384	8 15/64	8 107/384	8 31/96	8 47/128	8 79/192	8 175/384	8½	8½ "
9 "	8 43/64	8 23/32	8 49/64	8 13/16	8 55/64	8 29/32	8 61/64	9	9 "
9½ "	9 59/384	9 13/64	9 97/384	9 29/96	9 45/128	9 77/192	9 173/384	9½	9½ "
10 "	9 61/96	9 11/16	9 71/96	9 19/24	9 27/32	9 43/48	9 91/96	10	10 "
10½ "	10 15/128	10 11/64	10 29/128	10 9/32	10 43/128	10 25/64	10 57/128	10½	10½ "
11 "	10 115/192	10 21/32	10 137/192	10 37/48	10 53/64	10 85/96	10 181/192	11	11 "
11½ "	11 31/384	11 9/64	11 77/384	11 25/96	11 41/128	11 73/192	11 169/384	11½	11½ "
12 "	11 9/16	11 5/8	11 11/16	11 3/4	11 13/16	11 7/8	11 15/16	12	12 "
12½ "	12 17/384	12 7/64	12 67/384	12 23/96	12 39/128	12 71/192	12 167/384	12½	12½ "
13 "	12 101/192	12 19/32	12 127/192	12 35/48	12 51/64	12 83/96	12 179/192	13	13 "
13½ "	13 1/128	13 5/64	13 19/128	13 7/32	13 37/128	13 23/64	13 55/128	13½	13½ "
14 "	13 47/96	13 9/16	13 61/96	13 17/24	13 25/32	13 41/48	13 89/96	14	14 "
14½ "	13 373/384	14 3/64	14 47/384	14 19/96	14 35/128	14 67/192	14 163/384	14½	14½ "
15 "	14 29/64	14 17/32	14 39/64	14 11/16	14 49/64	14 27/32	14 59/64	15	15 "
15½ "	14 359/384	15 1/64	15 37/384	15 17/96	15 33/128	15 65/192	15 161/384	15½	15½ "
16 "	15 5/12	15 1/2	15 7/12	15 2/3	15 3/4	15 5/6	15 11/12	16	16 "
	1x11 9/16	1x11 5/8	1x11 11/16	1x11 3/4	1x11 13/16	1x11 7/8	1x11 15/16	1x12	
	½x23 1/8	½x23 1/4	½x23 3/8	½x23 1/2	½x23 5/8	½x23 3/4	½x23 7/8	½x24	
	¼x46 1/4	¼x46 1/2	¼x46 3/4	¼x47	¼x47 1/4	¼x47 1/2	¼x47 3/4	¼x48	

Example: To find the contents of one piece 1x11¾ in. 14½ ft. long, run down marginal figures to 14½ ft. Then opposite under 1x11¾ and you find 14 19/96 ft., the answer.

See page 202 and 203 for other explanations.

11 to 12 In

Log Scales.

BAUGHMAN'S BAND AND ROTARY LOG SCALES.

In presenting these scales to the buyer and seller of logs and lumber, we guarantee them to be correct, having given them an actual test on logs from 6 inches diameter upwards, cut by band, rotary and gang saws. An experience of many years in tallying lumber cut by the different saws mentioned, after it had been through the edger and trimmer, and a comparison of the lumber scale with the log scale, as shown by the different systems of log scaling, has shown a difference in favor of the lumber scale of from 20 feet to over 300 feet, except by the system shown on the next three pages.

How we Arrive at the Amounts Given.

In the first place, logs are not cut to waste as they were a few years ago. Then the ideal sawyer was the one who could cut the greatest number of logs into lumber and waste, without regard to quality or manufacture; at the present time, and, we hope, for all time to come, the "boss" sawyer is the one who can run his saw straight, cut all the lumber he can and do it well, slab light, and who is conversant with the different grades of lumber, so as to cut the logs to the best advantage. We claim that a four inch face on straight logs is all that should be left when the slab is taken off, as there is more money in lumber than in wood or lath. The following scales are figured on this basis. The scales are also figured for plump inch, as lumber cut to that thickness will surface one side, when seasoned, to ⅞ strong, which is the standard thickness to-day. The band saw scale is figured on light ⅛ inch kerf, and the rotary scale on light ¼ inch, as the filer who cannot file, and the sawyer who cannot saw on these kerfs has no grand future before him in the lumber business.

It will be noticed, the number of feet does not always increase in the same ratio that the diameter of logs increase. For instance: A log 12 inches in diameter and 12 feet long, band saw scale, has 84 feet; one of 13 inches in diameter and 12 feet long has 102 feet, a difference of 18 feet; while a log of 14 inches in diameter 12 feet long, has 117 feet, a difference of only 15 feet, as between logs 13 and 14 inches in diameter, and three feet less than the difference between logs 12 and 13 inches in diameter. The reason for this is as follows, as a test will prove: Logs increasing their diameters in inches of course gain only one-half an inch all around for every added inch to the diameter; and, as will be the case in cutting into inch boards (as all log rules are figured), there is not enough log left on the outside to make an inch board. The next size being ½ inch larger all around, there is an inch board on each side more than on the log one inch smaller, besides the additional width on every board cut; and this makes the seeming unexplicable difference between logs of different diameters.

Logs scaled by either the band or rotary saw scale according to the kind of saw used (there is no difference between band and gang saw kerf), and timber estimated standing, will cut very close to the actual scale of the lumber. The way to test any log scale is to scale the log before sawing and then measure the lumber from the same log after it has passed through the edger and trimmer. Apply this test to these scales, not on one log only, but on different sizes and lengths, and you will be convinced of their accuracy.

The scales are given from 6 inches in diameter to 72 inches and from 8 to 32 feet in length, the 12 foot log being the basis. To get the contents of logs of odd lengths, take one-half the amount given for logs twice the length of same diameter. That is: for a 13 foot log, take half the amount in a 26 foot log of same diameter. For logs longer than shown here, double the amount shown for logs one-half the length desired, of same diameter. Or, multiply the length wanted by number of feet in a 12 foot log of same diameter and divide by 12. The same rule will apply to odd lengths.

How Logs should be Measured.

All logs, good, bad and indifferent, should be measured for full quantity, without any allowance whatever for defects. The variation in quality, by this rule, would then be evened by variation in price. The theory is that a lot of fairly good logs might be reduced in quantity to good wood, but a buyer would base his estimate of value from superficial appearances as a whole, and if he secured the logs would pay for perfect stock, at a reduced price. In lumber, culls are measured for full contents, and sold at about one-half the price of good stock. Why should not logs be measured the same way?

BAND SAW LOG SCALE.

Diameter in inches.	Length in Feet.													Diameter in inches.
	8 Feet	10 Feet	12 Feet	14 Feet	16 Feet	18 Feet	20 Feet	22 Feet	24 Feet	26 Feet	28 Feet	30 Feet	32 Feet	
6	10	12	15	17	20	22	25	27	30	32	35	37	40	6
7	17	21	26	30	34	39	43	47	52	56	60	65	69	7
8	20	26	31	36	41	46	51	56	62	67	72	77	82	8
9	30	38	46	53	61	69	76	84	92	99	107	115	122	9
10	37	46	55	64	73	82	91	100	110	119	128	137	146	10
11	46	58	70	81	93	105	116	128	140	151	163	175	186	11
12	56	70	84	98	112	126	140	154	168	182	196	210	224	12
13	68	85	102	119	136	153	170	187	204	221	238	255	272	13
14	78	98	117	136	156	175	195	214	234	253	273	292	312	14
15	90	113	136	158	181	204	226	249	272	294	317	340	362	15
16	105	130	157	183	209	235	261	287	314	340	366	392	418	16
17	121	152	182	212	242	273	303	333	364	394	424	455	485	17
18	135	169	203	236	270	304	338	372	406	439	473	507	541	18
19	154	193	232	270	309	348	386	425	464	502	541	580	618	19
20	170	212	255	297	340	382	425	467	510	552	595	637	680	20
21	184	230	276	322	368	414	460	506	552	598	644	690	736	21
22	208	261	313	365	417	469	521	573	626	678	730	782	834	22
23	224	280	336	392	448	504	560	616	672	728	784	840	896	23
24	250	312	375	437	500	562	625	687	750	812	875	937	1000	24
25	285	357	428	499	570	642	713	784	856	927	998	1070	1141	25
26	295	369	443	516	590	664	738	812	886	959	1033	1107	1181	26
27	331	413	496	578	661	744	826	909	992	1074	1157	1240	1322	27
28	343	429	515	600	686	772	858	944	1030	1115	1201	1287	1373	28
29	373	466	560	653	746	840	933	1026	1120	1213	1306	1400	1493	29
30	395	494	593	691	790	889	988	1087	1186	1284	1383	1482	1581	30
31	424	530	636	742	848	954	1060	1166	1272	1378	1484	1590	1696	31
32	450	563	675	787	900	1012	1125	1237	1350	1462	1575	1687	1800	32
33	481	601	722	842	962	1083	1203	1323	1444	1564	1684	1805	1925	33
34	511	639	767	894	1022	1150	1278	1406	1534	1661	1789	1917	2045	34
35	548	685	822	959	1096	1233	1370	1507	1644	1781	1918	2055	2192	35
36	591	739	887	1034	1182	1330	1478	1626	1774	1921	2069	2217	2365	36
37	612	763	916	1068	1221	1374	1526	1679	1832	1984	2137	2290	2442	37
38	643	804	965	1125	1286	1447	1608	1769	1930	2090	2251	2412	2573	38
39	678	848	1018	1187	1357	1527	1696	1866	2036	2205	2375	2545	2714	39
40	712	892	1069	1247	1425	1603	1781	1959	2138	2316	2494	2672	2850	40
41	753	941	1130	1318	1506	1695	1883	2071	2260	2448	2636	2825	3013	41
42	791	989	1187	1384	1582	1780	1978	2176	2374	2571	2769	2967	3165	42
43	824	1030	1236	1442	1648	1854	2060	2266	2472	2678	2884	3090	3296	43
44	872	1091	1309	1527	1745	1963	2181	2399	2618	2836	3054	3272	3490	44
45	908	1135	1362	1589	1816	2043	2270	2497	2724	2951	3178	3405	3632	45
46	950	1187	1425	1662	1900	2137	2375	2612	2850	3087	3325	3562	3800	46
47	994	1243	1492	1740	1989	2238	2486	2735	2984	3232	3481	3730	3978	47
48	1045	1306	1567	1828	2089	2350	2611	2872	3134	3395	3656	3917	4178	48
49	1087	1358	1630	1901	2173	2445	2716	2988	3260	3531	3803	4075	4346	49
50	1135	1419	1703	1986	2270	2554	2838	3122	3406	3689	3973	4257	4541	50
51	1185	1481	1778	2074	2370	2667	2963	3259	3556	3852	4148	4445	4741	51
52	1224	1530	1837	2143	2449	2755	3061	3367	3674	3980	4286	4592	4898	52
53	1273	1596	1910	2228	2546	2865	3183	3501	3820	4138	4456	4775	5093	53
54	1318	1648	1977	2306	2636	2965	3295	3624	3954	4283	4613	4942	5272	54
55	1364	1705	2046	2387	2728	3069	3410	3751	4092	4433	4774	5115	5456	55

See rotary log scale, page 228.

We furnish Log Rules to measure 8 and 10 feet.

BAND SAW LOG SCALE.

Diameter in inches.	Length in Feet.												Diameter in inches.
	8 Feet	10 Feet	12 Feet	14 Feet	16 Feet	18 Feet	20 Feet	22 Feet	24 Feet	26 Feet	28 Feet	30 Feet	32 Feet	
56	1420	1776	2131	2486	2841	3196	3551	3906	4262	4617	4972	5327	5682	56
57	1476	1845	2214	2583	2952	3321	3690	4059	4429	4797	5166	5535	5904	57
58	1537	1921	2305	2689	3073	3457	3841	4225	4610	4994	5378	5762	6146	58
59	1584	1980	2376	2772	3168	3564	3960	4356	4752	5148	5544	5940	6336	59
60	1632	2041	2449	2857	3265	3673	4081	4489	4898	5306	5714	6122	6530	60
61	1692	2115	2538	2961	3384	3807	4230	4653	5076	5599	5922	6345	6768	61
62	1740	2176	2611	3046	3481	3916	4351	4786	5222	5657	6092	6527	6962	62
63	1798	2248	2698	3147	3597	4047	4496	4946	5396	5845	6295	6745	7194	63
64	1852	2315	2778	3241	3704	4167	4630	5093	5556	6019	6482	6945	7408	64
65	1894	2367	2841	3314	3788	4261	4735	5208	5682	6155	6629	7102	7576	65
66	1991	2488	2986	3483	3981	4479	4976	5474	5872	6469	6967	7465	7962	66
67	2047	2559	3071	3582	4094	4606	5118	5630	6142	6653	7165	7677	8189	67
68	2104	2630	3157	3683	4209	4735	5261	5787	6314	6840	7366	7892	8418	68
69	2174	2718	3261	3804	4348	4891	5435	5978	6522	7065	7609	8152	8696	69
70	2236	2796	3355	3914	4473	5032	5591	6150	6710	7269	7828	8387	8946	70
71	2322	2903	3484	4064	4645	5226	5806	6387	6968	7548	8129	8710	9290	71
72	2366	2958	3550	4141	4733	5325	5916	6508	7100	7691	8283	8875	9466	72

ROTARY SAW LOG SCALE.

Diameter in inches.	Length In Feet.												Diameter in inches.
	8 Feet	10 Feet	12 Feet	14 Feet	16 Feet	18 Feet	20 Feet	22 Feet	24 Feet	26 Feet	28 Feet	30 Feet	32 Feet	
6	8	11	13	15	17	19	21	23	26	28	30	32	34	6
7	16	20	24	28	32	36	40	44	48	52	56	60	64	7
8	20	25	31	36	41	46	51	56	62	67	72	77	82	8
9	24	31	36	42	48	54	60	66	72	78	84	90	96	9
10	35	44	53	61	70	79	88	97	106	114	123	132	141	10
11	41	52	62	72	82	93	103	113	124	134	144	155	165	11
12	52	65	79	92	105	118	131	144	158	171	184	197	210	12
13	60	75	90	105	120	135	150	165	180	195	210	225	240	13
14	72	91	109	127	145	163	181	199	218	236	254	272	290	14
15	83	103	124	144	165	186	206	227	248	268	289	310	330	15
16	96	121	145	169	193	217	241	265	290	314	338	362	386	16
17	109	137	164	191	218	246	273	300	328	355	382	410	437	17
18	122	152	183	213	244	274	305	335	366	396	427	457	488	18
19	140	175	210	245	280	315	350	385	420	455	490	525	560	19
20	155	194	233	271	310	349	388	427	466	504	543	582	621	20
21	169	211	254	296	338	381	423	465	508	550	592	635	677	21
22	191	239	287	334	382	430	478	526	574	621	669	717	765	22
23	205	257	308	359	410	462	513	564	616	667	718	770	821	23
24	229	285	343	400	457	514	571	628	686	743	800	857	914	24
25	248	310	372	434	496	558	620	682	744	806	868	930	992	25
26	270	338	405	472	540	607	675	742	810	877	945	1012	1080	26
27	291	363	436	508	581	654	726	799	872	944	1017	1090	1162	27
28	316	396	475	554	633	712	791	870	950	1029	1108	1187	1266	28
29	336	420	504	588	672	756	840	924	1008	1092	1176	1260	1344	29
30	361	452	542	632	722	813	903	993	1084	1174	1264	1355	1445	30
31	389	486	584	681	778	876	973	1070	1168	1265	1362	1460	1557	31

See explanation page 226.

ROTARY SAW LOG SCALE.

Diameter in inches.	Length in Feet.												Diameter in inches.
	8 Feet	10 Feet	12 Feet	14 Feet	16 Feet	18 Feet	20 Feet	22 Feet	24 Feet	26 Feet	28 Feet	30 Feet	32 Feet	
32	411	514	617	719	822	925	1028	1131	1234	1336	1439	1542	1645	32
33	437	547	656	765	874	984	1093	1202	1312	1421	1530	1640	1749	33
34	467	584	701	817	934	1051	1168	1285	1402	1518	1635	1752	1869	34
35	493	616	740	863	986	1110	1233	1356	1480	1603	1726	1850	1973	35
36	527	659	791	922	1054	1186	1318	1450	1582	1713	1845	1977	2109	36
37	554	693	632	970	1109	1248	1386	1525	1664	1802	1941	2080	2218	37
38	571	714	857	999	1142	1285	1428	1571	1714	1856	1999	2142	2285	38
39	619	773	928	1082	1237	1392	1546	1701	1856	2010	2165	2320	2474	39
40	647	809	971	1132	1294	1456	1618	1780	1942	2103	2265	2427	2589	40
41	688	860	1032	1204	1376	1548	1720	1892	2064	2236	2408	2580	2752	41
42	715	894	1073	1251	1430	1609	1788	1967	2146	2324	2503	2682	2861	42
43	752	940	1128	1316	1504	1692	1880	2068	2256	2444	2632	2820	3008	43
44	789	986	1183	1380	1577	1774	1971	2168	2366	2563	2760	2957	3154	44
45	820	1025	1230	1435	1640	1845	2050	2255	2460	2665	2870	3075	3280	45
46	866	1082	1299	1515	1732	1948	2165	2381	2598	2814	3031	3247	3464	46
47	894	1118	1342	1565	1789	2013	2236	2460	2684	2907	3131	3355	3578	47
48	942	1178	1413	1648	1884	2119	2355	2590	2826	3061	3297	3532	3768	48
49	982	1228	1474	1719	1965	2211	2456	2702	2948	3193	3439	3685	3930	49
50	1021	1276	1531	1786	2041	2296	2551	2806	3062	3317	3572	3827	4082	50
51	1074	1343	1612	1880	2149	2418	2686	2955	3224	3492	3761	4030	4298	51
52	1103	1379	1655	1930	2206	2482	2758	3034	3310	3585	3861	4137	4413	52
53	1153	1441	1730	2018	2306	2595	2883	3171	3460	3748	4036	4325	4613	53
54	1198	1497	1797	2096	2396	2695	2995	3294	3594	3893	4193	4492	4792	54
55	1247	1558	1870	2181	2493	2805	3116	3428	3740	4051	4363	4675	4986	55
56	1295	1619	1943	2266	2590	2914	3238	3562	3886	4209	4533	4857	5181	56
57	1331	1663	1996	2328	2661	2994	3326	3659	3992	4324	4657	4990	5322	57
58	1382	1727	2073	2418	2764	3109	3455	3800	4146	4491	4837	5182	5528	58
59	1425	1781	2138	2494	2850	3207	3563	3919	4276	4632	4988	5345	5701	59
60	1449	1812	2174	2536	2898	3261	3623	3985	4348	4710	5072	5435	5797	60
61	1532	1965	2298	2681	3064	3447	3830	4213	4596	4979	5362	5745	6128	61
62	1579	1974	2369	2763	3158	3553	3948	4343	4738	5132	5527	5922	6317	62
63	1641	2051	2462	2872	3282	3693	4103	4513	4924	5334	5744	6155	6565	63
64	1691	2114	2537	2959	3382	3805	4228	4651	5074	5496	5919	6342	6765	64
65	1746	2183	2620	3056	3493	3930	4366	4803	5240	5676	6113	6550	6986	65
66	1806	2258	2709	3160	3612	4063	4515	4966	5418	5869	6321	6772	7224	66
67	1856	2320	2784	3248	3712	4176	4640	5104	5568	6032	6496	6960	7424	67
68	1910	2387	2865	3342	3820	4297	4775	5252	5730	6207	6685	7162	7640	68
69	1965	2456	2948	3439	3930	4422	4913	5404	5896	6387	6878	7370	7861	69
70	2012	2515	3019	3522	4025	4528	5031	5534	6038	6541	7044	7547	8050	70
71	2051	2563	3076	3588	4101	4614	5126	5639	6152	6664	7177	7690	8202	71
72	2075	2594	3113	3631	4150	4669	5188	5707	6226	6744	7263	7782	8301	72

See explanation page 226.

We furnish Log Rules to measure down to 8 and 10 feet.

LUMBER INSPECTION.

There is no good reason why rules for the inspection of lumber cannot be laid down with almost mathematical exactness, yet it is a fact that all attempts thus far have been little more than a mass of contradictions, as perplexing as they are valueless. The result is that even the best known grades are seldom twice alike, even in the same market, and the buyer must take his chances on getting what he supposes he orders, or go to the expense of personally inspecting the lumber before purchasing. The following descriptions of the grades most in use are so plain and brief that they cannot mislead or perplex, and are sufficient for practical use in the general trade:

First Clear—May be of any thickness, not less than 6 inches wide, and must be clear of sap, shake, knots, rot, splits, checks or any imperfections whatever.

Second Clear—May be of any thickness, not less than 4 inches wide, no shake or rot, but in boards 12 inches and over, 3 inches of bright sap is allowed on one edge, or three small red knots. First and Second Clear are often put together in one grade.

Third Clear—Any thickness, not less than 4 inches wide, no rot or shake, but in boards 12 inches and over, 3 inches of bright sap is allowed on each edge, or three small knots.

Selects—Any thickness, not less than 4 inches wide, two-thirds of the board to work clear of rot, knots and shake.

Shop—Large coarse or loose knots, with 2 to 6 feet of good lumber between knots. For cutting up.

Wide Common—12 inches and wider, large red or smaller black tight knots. No shake or rot.

Second Common—4 inches and wider, blue sap, large knots, tight shake, a few worm holes, no rot.

Third Common, or Sheathing—A very coarse grade of common boards, coarse knots, small worm holes and red streaks.

Culls—Red rot, loose shakes, knots and checks.

Dead Culls—Soft rot, splits.

Mill Culls—Badly sawed, waney and thick and thin lumber.

We can furnish you with any of the Association's Grading Rules.

STOCK BOARDS.

Stock Boards are boards of even widths, and are usually put up 8, 10 and 12 inches wide, and in grades from common to clear. They are very convenient for builders, and save much waste. They are also called Dimension Boards in some markets.

"A" Stock—Two small red or tight knots and 3 inches bright sap.

"B" Stock—Four small red or tight knots and bright sap on both edges.

"C" Stock—Five small red or tight knots and bright sap.

"D" Stock—Eight to fifteen bright red or small tight knots. Suitable for cheap finish, extra quality of barn boards, No. 1 Shiplap or a fair quality of drop siding.

"E" Stock—Medium sized, tight, black or large red, sound knots. Used for shiplap and barn boards.

"F" Stock—Large, coarse knots, red or black, tight shake, some sap stain. Suitable for sheathing, either rough or dressed and matched, or for cheap shiplap.

FLOORING AND SIDING.

First—Should be perfect—clear of sap, shake, knots and splits.

Second—Will allow bright, clear sap, or two small red knots. These two grades are often put together.

Third—Bright, clear sap or four small red knots, or two small black knots.

Fourth—Eight to fifteen small red knots or four small black knots.

Fifth—Large red knots, small black knots, tight shake, no holes. This is No. 1 Fencing.

Sixth—Large knots, shake and stain. One knot out in pieces 14 feet and over. No. 2 Fencing.

Cull—Waney, badly manufactured boards, red rot, loose shake, knots out, split.

DIMENSION LUMBER.

No. 1—Sound, square-edged and tight round knots.

No. 2—Sound, slight wane, long and coarse knots, worm holes.

Culls—Waney, shaky, rotten and badly manufactured.

We can furnish you with any of the Association's Grading Rules.

Inspection.
Terms.
S. and L.
Paint.
Sizes.
W. and P.
Cuts.
Rafters.
½ & ⅓ pitc
Handy Things
o. Nails.
ie. Cement.
oring and
Oiling.
Postage.
Recipe.
Wthr Signs.
Brick.
Speed Pulley.
Day of Week.
Int. Notes.
Saving.
Corn & Hay.
Boxes. Brick.
Metric.
Seeds.
Tacks. Wght
Miles. Land.
Wt. Cubic Ft.
Wt. of Coins
S. & L. Day.
Strength.
Harvests.
Ice. Signs.
Time.
Papers.
Discount.
Wood Meas
Trans. No.
Calendar.
Saws.
Weather.

SOME SUGGESTIONS.

When ordering lumber, use the same names for the different grades as are employed by the manufacturer or dealer of whom you are buying. Always state plainly the length, size, grade and number of pieces or feet of each, and if you are not particular, and one grade, length or size may be substituted for another, state it in your order, and avoid delay.

Bear in mind that lumber cars are not usually built longer than 33 or 34 feet, and that 16 and 18 feet is the longest lumber that can be loaded in two lengths. Do not order a carload of 18-foot lumber shipped immediately, and then blame the shipper for sending you a half carload, making the freight per 1,000 feet cost you a third more because there was not a minimum load. Order some shorter lumber, or lath and shingles, to load with the longer lumber.

Do not order No. 1 common flooring all lengths, and expect to get it for the price of No. 1 in the rough with just the cost of dressing and matching added. If you do get it at that price, the manufacturer is giving you more than he can afford to, or you will find some of your lumber unsatisfactory. There are many strips that will grade No. 1 common in the rough that will not be good No. 1 flooring when dressed. They will be too thin to dress, or the machine will tear out a knot or bring to light some imperfection that will condemn it for that particular grade. This is especially true of the shorter lengths. Therefore state plainly whether you want No. 1 common flooring or just No. 1 common dressed and matched; and if you order the latter, and get it for the price of the rough with the dressing and matching added do not go back at the manufacturer with the statement that some of it was only second common or culls. In nine cases out of ten the strips were all right before they went through the machine.

TERMS AND ABBREVIATIONS.

"F. O. B." is an abbreviation of the words "free on board," and means that the lumber will be loaded. When used in connection with the name of the place to which the lumber is to be shipped, it means that the lumber will be delivered there.

For instance: If a Chicago dealer quotes a price on lumber "F. O. B. New York," that price includes the freight charges to New York.

"C. B. or D. B." is the abbreviation for center or double beaded.

"D. & M."—Dressed and Matched. S. 2 S. & C. M.

"D. & J."—Dressed and Jointed. S. 4 S.

"D. & H."—Dressed and Headed.

"S. 1 S. or D. 1 S."—Surfaced, dressed or planed one side.

"S. 2 S."—Surfaced two sides, etc.

"S. 1 S. & E."—Surfaced one side and one edge. This is often called sizing, but, strictly speaking, sizing is simply bringing the joist or scantling all to one width, either with a saw or machine. Therefore, if you want scantling dressed on one side and one edge, do not simply order them sized.

Dimension, Piece Stuff and Bill Stuff are practically the same—joist, scantling and small timbers, although anything as large as 6x6 more properly comes under the general name of timber.

Drop, Cove or German Siding are simply dressed and matched strips with an "O. G." or bevel finish on one edge.

Bevel Siding is Lap Siding.

Parallel or Square Siding is not beveled. That is, the boards are of the same thickness on both edges.

SHINGLES AND LATH.

The brand on shingles is not always a safe guide as to the quality. The same brand may mean different grades in different localities. This is perplexing to the buyer, but is a fact that all purchasers must bear in mind. Three grades will cover all shingles manufactured:

First—Extra *A*, generally known in the market as 10-inch and Better Clear.

Second—Standards, 6 inches of the butt clear of sap, shake and knots.

Third—S. B., Sound Butts.

Shingles are counted 4 inches wide, may be 16 or 18 inches long, are packed 250 in bunches 20 inches wide, two lengths, lapped, and 25 courses. Standard thickness runs 5 to 2 inches and 6 to 2 inches.

Terms.
S. and L.
Paint.
Sizes.
W. and P.
Cuts.
Rafters.
¼ & ⅓ pitch
Handy Things.
o. Nails.
e. Cement.
oring and
Oiling.
Postage.
Recipe.
Wthr Signs.
Brick.
Speed Pulley.
Day of Week.
Int. Notes.
Saving.
Corn & Hay.
Boxes. Brick.
Metric.
Seeds.
Tacks. Wght
Miles. Land.
Wt. Cubic Ft.
Wt. of Coins
S. & L. Day.
Strength.
Harvests.
Ice. Signs.
Time.
Papers.
Discount.
Wood Meas.
Trans. No.
Calendar.
Saws.
Weather.

House lath are now made 1½ inches wide, ⅜ of an inch thick, and are generally trimmed to ⅛ of an inch less than 4 feet. They are put up in bundles of 50 pieces, and are sold by the 1,000 pieces or 1,000 feet, 2,000 pieces being required for 1,000 feet.

Note—(32-inch lath, 30 bundles of 50 pieces to equal 1,000 of 4 feet, are made for some markets.)

Tobacco lath, used by tobacco growers to hang tobacco in the curing sheds, are ½ inch thick and the same width and length as common lath. They are put up in bundles of 50, and sold by the 1,000 pieces.

NOT GENERALLY KNOWN.

Smallest convenient size of slab for a 14-inch wash bowl, 21 by 24 inches. Height of slab from floor, two feet six inches.

Urinals should be two feet two inches between partitions; partitions six feet high.

Space occupied by water closets, two feet six inches wide, two feet deep.

Dimensions of a barrel: Diameter of head, 17 inches; bung, 19 inches; length, 28 inches; volume, 7,680 cubic inches.

Horse stalls: Widths, three feet ten inches to four feet, or else five feet or over in width; nine feet long. The width should never be between four and five feet, as in that case the horse is liable to cast himself.

PAINT AND PAINTING.

One gallon of paint will cover 250 feet of outside new work; old work requires from one-quarter to one-half more.

Use raw linseed oil, without turpentine or benzine, for the first or priming coat. A little Japan will make it dry faster.

Yellow Ochre is the best priming for all work except white.

For priming coat for white, use one-half white lead, one-half ochre, mixed with raw oil. For the second coat use all white lead and add a very little turpentine to the oil, to bleach it. The third coat should be the same. Always use raw oil for outside work, as it is less liable to blister.

Light stone color can be made by mixing 10 lbs. white lead with 1 lb. yellow ochre, and adding lampblack until dark enough.

Dark Stone Color—Two-thirds lead, one-third ochre, and mix as for light.

Straw Color—White lead and ground golden ochre. The lead should first be thoroughly broken up with pure linseed oil, and then the ochre added. A very nice trimming for this color is made with yellow ochre and lampblack. It should be quite dark. See pages 243, 244, 254, 261 and 267 for further information on paint and painting.

Browns are made by using any kind of red and lampblack.

For inside work the colors should be mixed with one-fourth oil and three-fourths turpentine.

The ground work for graining oak or ash should be a bright straw color, with raw oil and turpentine, equal parts. Two coats should be put on.

For walnut the ground work should be of equal parts of white lead and ochre mixed, and enough Venetian red added to make about the color of sole leather. The graining color can be purchased already prepared.

WHITEWASH AND PLASTER.

Scald the lime, or slack it in hot water, in a wooden bucket. To prevent it from rubbing off, add about a quart of molasses to a pailful of whitewash.

For calcimine, use Spanish whiting and glue water to mix. For different shades, use ultra-marine blue, Venetian red, or any color to suit. Calcimine made of plaster of paris sets too quick for any one but an experienced workman.

For 100 yards of plastering there will be required 1,400 pieces of lath, 7 lbs. 2-penny fine nails, 10 bushels of lime, 1½ yards of sand and 2 bushels of hair.

SPECIFIC GRAVITY.

Compared With Water.

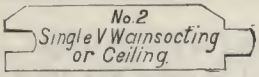
Water	100	Beech	85	Glass	288
Sea Water	103	Mahogany	106	Granite	278
Alcohol	84	Oak	117	Diamond	353
Turpentine	99	Ebony	133	Zinc	691
Wine	100	Ice	92	Cast Iron	721
Urine	101	Butter	94	Tin	729
Milk	102	Clay	120	Steel	783
Cork	24	Coal	130	Brass	840
Poplar	38	Opium	134	Copper	895
Cedar	61	Ivory	183	Silver	1,047
Walnut	67	Sulphur	203	Lead	1,137
Cherry	72	Porcelain	226	Mercury	1,355
Maple	75	Marble	270	Gold	1,926
Ash	84	Chalk	279	Platina	2,150

Paint.
Sizes.
W. and P.
Cuts.
Rafters.
¼ & ⅓ pitch
Handy Things
o. Nails.
e. Cement.
oring and
Oiling.
Postage.
Recipe.
Wthr Signs.
Brick.
Speed Pulley.
Day of Week.
Int. Notes.
Saving.
Corn & Hay.
Boxes. Brick.
Metric.
Seeds.
Tacks. Wght
Miles. Land.
Wt. Cubic Ft.
Wt. of Coins
S. & L. Day.
Strength.
Harvests.
Ice. Signs.
Time.
Papers.
Discount.
Wood Meas.
Trans. No.
Calendar.
Saws.
Weather.

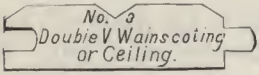
Wainscoting, Ceiling, Siding, Flooring, etc.

See next page for further cuts, etc.

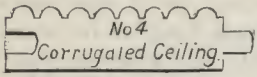
Cipher for No. 1, Console.



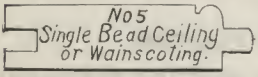
Cipher for No. 2, Contain.



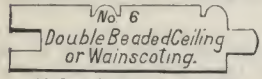
Cipher for No. 3, Contend.



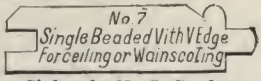
Cipher for No. 4, Convent.



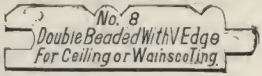
Cipher for No. 5, Convoke.



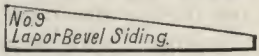
Cipher for No. 6, Confer.



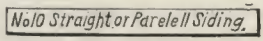
Cipher for No. 7, Confess.



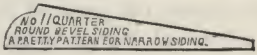
Cipher for No. 8, Confide.



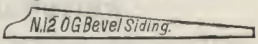
Cipher for No. 9, Confine.



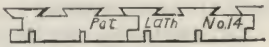
Cipher for No. 10, Conform.



Cipher for No. 11, Connect.

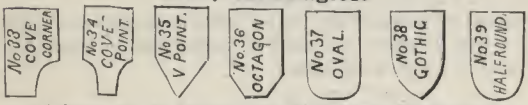


Cipher for No. 12, Connive.



Cipher for No. 14, Comet.

Fancy But Shingles.

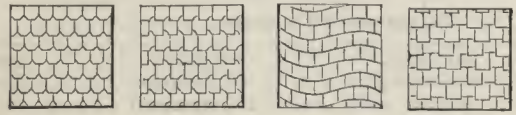


Ciphers—No. 33, Deluge. No. 34, Deface. No. 35, Deacon, No. 36, Darling. No. 37, Damage. No. 38, Daisy. No. 39, Daily.

No. 13

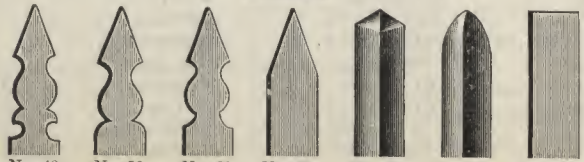
Showing manner of making eave troughs from square timber.

Cipher for No. 13, Consent.



Showing usual manner of laying fancy But Shingles.

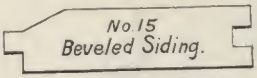
Pickets.



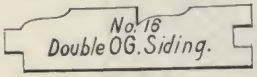
No. 40. No. 50. No. 60. No. 70. No. 80. No. 90. No. 100.

Ciphers for pickets same as number under engraving.

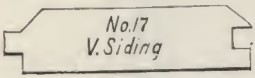
Dressed and Matched Drop Siding.



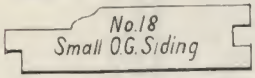
Cipher for No. 15, Coffee.



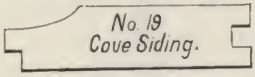
Cipher for No. 16, Collate.



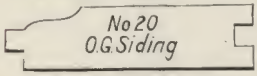
Cipher for No. 17, Collect.



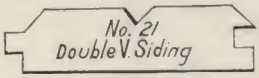
Cipher for No. 18, Colong.



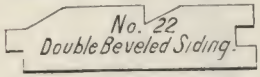
Cipher for No. 19, Combat.



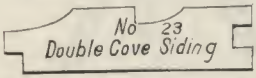
Cipher for No. 20, Comfort.



Cipher for No. 21, Command.

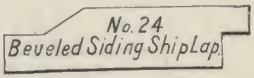


Cipher for No. 22, Comment.

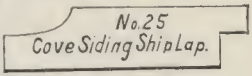


Cipher for No. 23, Commune.

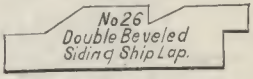
Ship Lap Drop Siding.



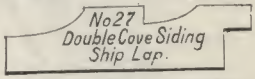
Cipher for No. 23, Compare.



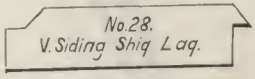
Cipher for No. 25, Compete.



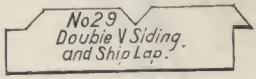
Cipher for No. 26, Compile.



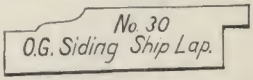
Cipher for No. 27, Complex.



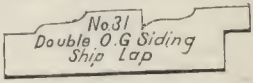
Cipher for No. 28, Concave.



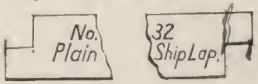
Cipher for No. 29, Conceal.



Cipher for No. 30, Concert.



Cipher for No. 31, Condole.



Cipher for No. 32, Condor.

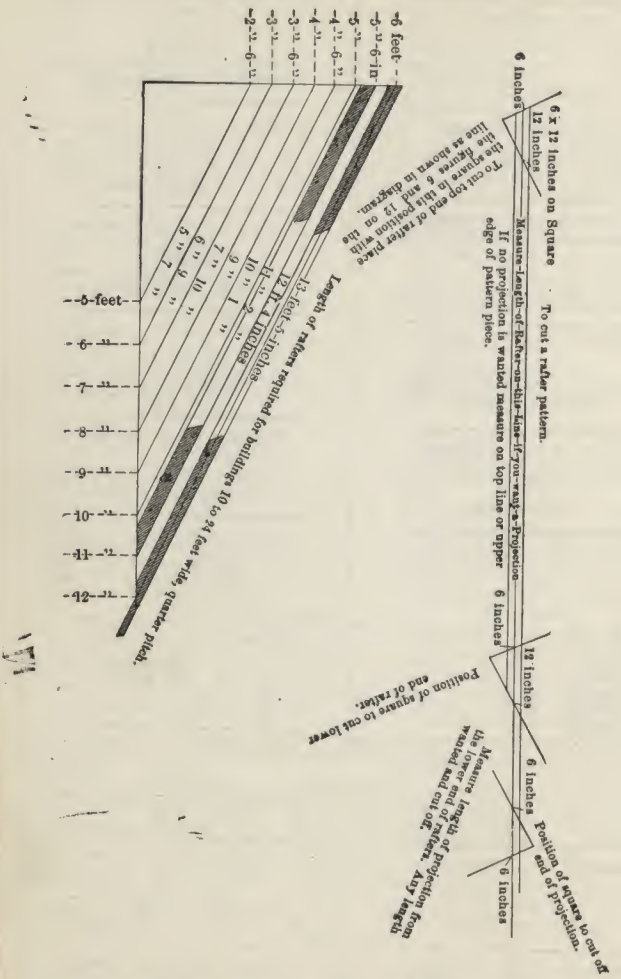
NOTE—On pages 236 and 237 we give a few engravings of the kinds of siding, flooring, wainscoting, etc., in general use. When ordering from these engravings, give number of style you prefer, and page in BUYER AND SELLER. If you order by wire, give cipher only. If your stationer does not keep the BUYER AND SELLER, for sample pages, etc.,

Address

H. R. A. BAUGHMAN,
Indianapolis, Ind., U. S. A.

Cuts.
Rafters.
¼ & ⅓ pitch
Handy Things
o. Nails.
e. Cement.
oring and
Oiling.
Postage.
Recipe.
Wthr Signs.
Brick.
Speed Pulley.
Day of Week.
Int. Notes.
Saving.
Corn & Hay.
Boxes. Brick.
Metric.
Seeds.
Tacks. Wght
Miles. Land.
Wt. Cubic Ft.
Wt. of Coins
S. & L. Day.
Strength.
Harvests.
Ice. Signs.
Time.
Papers.
Discount.
Wood Meas.
Trans. No.
Calendar.
Saws.
Weather.

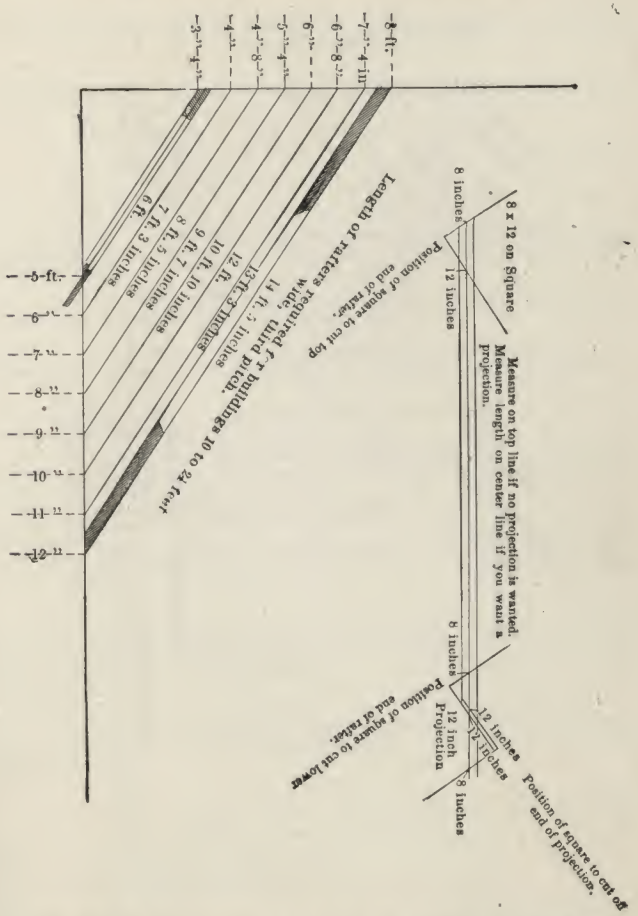
RAFTERS QUARTER PITCH.



Length is given for rafters for buildings 10 to 24 feet wide. A building 10 feet wide would require rafters 5 feet 7 inches long. A building 24 feet wide, rafters 13 feet 5 inches, etc. (quarter pitch).

See also page 241.

RAFTERS FOR THIRD PITCH ROOF.



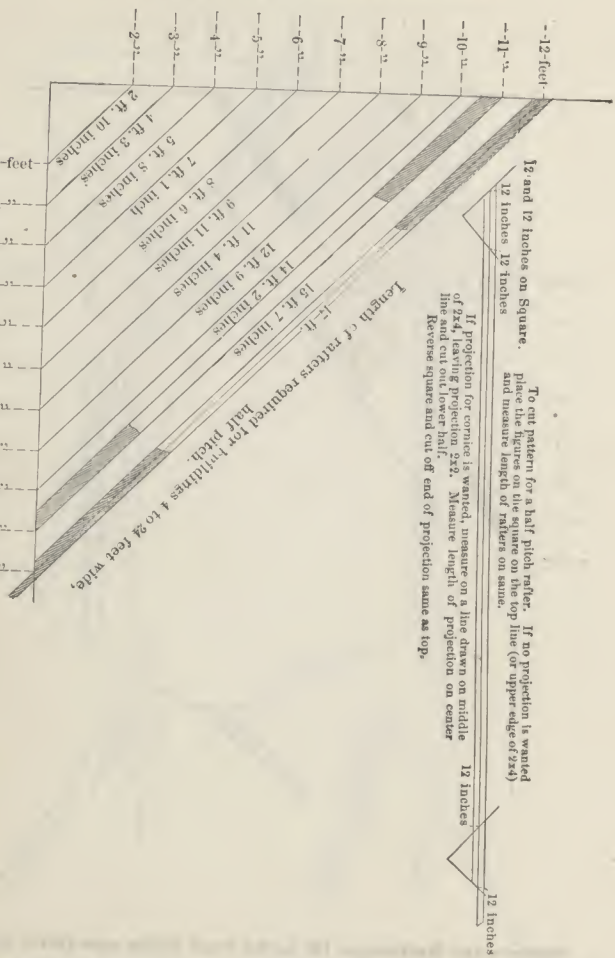
Rafters for Buildings 10 to 24 Feet Wide one-third Pitch.

A building 22 feet wide would require rafters 13 feet 3 inches long (to which must be added length of projection, if any.)

See also page 241.

Rafters. ½ & ⅓ pitch
Handy Things
o. Nails. e. Cement. oring and Oiling.
Postage. Recipe. Wthr Signs.
Brick. Speed Pulley. Day of Week.
Int. Notes. Saving. Corn & Hay. Boxes. Brick.
Metric.
Seeds. ...ints. Tools. Tacks. Wght
Miles. Land. Wt. Cubic Ft. Wt. of Coins S. & L. Day.
Strength. Harvests. Ice. Signs.
Time. Papers.
Discount. Wood Meas. Trans. No.
Calendar. Saws. Weather.

RAFTERS FOR ONE-HALF PITCH ROOF.



Rafters for buildings 4 to 24 feet wide. Half pitch will also answer for brace patterns. No difference in measurement, rafters being cut from 2x4, 2x6 or 2x8.

See also page 241.

HANDY THINGS TO KNOW.

Carpenter's, Plasterer's, Painter's, Paper Hanger's and Bricklayer's Work.

To find length of rafters for the most common pitches for any given span (or width of building).

If ¼	pitch,	multiply span by	.559	or 7-12	nearly.
If ⅓	"	"	.6	or 3-5	"
If ⅜	"	"	.625	or 5-8	"
If ½	"	"	.71	or 7-10	"
If ⅝	"	"	.8	or 4-5	"
If full	"	"	1-12 or 1⅛		"

To length of rafter thus obtained must be added the projection (if any).

Example—to obtain length of rafter required for building, span (or width), 20 feet, ½ pitch.

20 x 71 = 1,420, or 14 feet 2 inches, length of rafter required.
If projection of 14 in. is wanted, add 1 foot 2 inches.

15 feet 4 inches, leaving length to be purchased, 16 feet. (See engravings for rafters and patterns, pages **243** to 245.

To find how many square yards in a floor or wall, *multiply the length by the width or height and divide the product by 9.*

How many square yards in a floor 18 ft. long and 14 ft. wide; and how many yards of carpet, ¾ yard wide, will it take?

To divide by a fraction, multiply the number by the *denominator*, and divide the product by the *numerator*.

To multiply by a fraction, multiply by the *numerator* and divide by the *denominator*.

14 x 18 = 252 square feet.
9)252(28 square yards.
28
4
3)112(37⅓ yards carpet.
Ans. { 28 square yards. / 37⅓ yards carpet.

Find how many square yards in the four walls and ceiling of a room 18 by 20, 11 feet high; and the cost of plastering the same at 15 cents per square yard.

The length of the *four* walls is (twice 20 and twice 18), 76 feet, which, multiplied by the height, gives the square feet in the walls. The length multiplied by the width, gives the square feet in the ceiling.

76 x 11 = 836 square feet in four walls.
18 x 20 = 360 square feet in ceiling.
9)1196(133 square yards nearly.
.15
Ans. $19.95 for plastering.

To find number of lath required for any size room, divide the square feet by 4, and multiply by 6¼, the answer thus obtained is the number pieces of lath required.

76 x 11 = 836 square feet in four walls
18 x 20 = 360 square feet in ceiling.
4)1196(299
6¼
1794
74¾
1868 pieces lath required for four walls and ceiling of a room 18 x 20, 11 feet high.

Note—For 4 inch patent lath add to square feet ¼, see page **108**.
For 6 inch patent lath add to square feet ⅙, " "
See general index for painting, plaster, lath, shingles, siding, flooring, etc.

Handy Things
lo. Nails.
le. Cement.
oring and
Oiling.
Postage.
Recipe.
Wthr Signs.
Brick.
Speed Pulley.
Day of Week.
Int. Notes.
Saving.
Corn & Hay.
Boxes. Brick.
Metric.
Seeds.
Tacks. Wght
Miles. Land.
Wt. Cubic Ft.
Wt. of Coins
S. & L. Day.
Strength.
Harvests.
Ice. Signs.
Time.
Papers.
Discount.
Wood Meas.
Trans. No.
Calendar.
Saws.
Weather.

Number of Nails Required in Carpenter Work

To case and hang one door.....¾ to 1¼ lbs.
To case one window.....¾ to 1 lb.
To put up 1,000 feet rafters, joists, studding .....2¾ to 3¼ lbs.
To put on 1,000 feet lineal base.....¾ to 1¼ lbs.
To put on 1,000 feet bevel siding.....18 to 21 lbs.
To lay 1,000 feet 6 inch flooring, etc., etc.....14 to 16 lbs.
To lay 1,000 feet 4-inch flooring, etc. etc.....18 to 21 lbs.
To put on 1,000 feet 1-inch boards .....24 to 30 lbs.
To lay 1,000 shingles.....5 lbs. of 4d; 3¾ lbs of 3d.
To put on 1,000 lath.....5¾ lbs. of 3d fine, or 5 lbs. of 2d.

NOTE.—As some use different size nails, or more or less number in putting up work, the number of pounds vary on same class of work. However the amounts given above will be found approximately correct.

See pages 233, 234, 235 and 241 for further information on lath, plaster and whitewash.

See pages 105 and 233 for number of shingles to lay roof, etc., etc.

See pages 108 and 213 for amount of flooring, siding, ceiling, ship lap, etc., etc., see general index for further information.

To Find Number Feet Line.

To find the number feet line it takes to make any number feet lumber board measure, use the tables from page 48 to 55, for lumber 4 to 24 feet, or page 26 for 8 feet, page 28 for 10 feet.

EXAMPLE.—To find number feet of line it takes to make 2008 feet, 8 feet long. Page 26 we find that it takes 251 in the margin to make 2008 feet or 251 feet line, 143 feet line. Page 50 for 14-foot boards we find makes 2002 feet. Many odd sizes not given in Buyer and Seller, may be found quickly by taking from or adding to sizes found in book thus: 2½ x 1=14 feet would be one-fourth number feet, in 1 x 10=14 feet 1 x 5=28, would contain same number feet as 1 x 10=14; 2 x 2 equals 1 x 4; 2 x 3 equals 1 x 6, etc.

To compute without the fraction deduct one-third as many feet as pieces when the fraction for one piece is one-third, but if the fraction be two-thirds add one-third as many feet as pieces.

For Cement, for Glass, Etc.

Mix Strong Rosin Soap with half the quantity of pulveried plaster of paris slacked lime may be used in place of plaster of paris but it will be longer in hardening.

Above cement is recommended for cementing brass collar of kerosene lamps to bowl.

Receipt for Water-proof Glue.—To about a pint of ordinary glue add ¼-oz. of bichromate of potash dissolved in a little hot water. This glue can be made any consistency that your work requires. It should be kept in the dark as much as possible after being mixed, under which condition it will remain good for a week or so. It is a little slow in assuming its water-proof character, but when it is set nothing less than a strong acid, which would destroy it, will dissolve it. If it is desired to have the glue pliable, as for gluing a belt, add a little glycerine, when it will always remain flexible.

THE PROPER NAIL TO USE IN LAYING HARDWOOD FLOORING.

It is very essential that the proper nail be used in laying Hardwood Flooring to prevent splitting the tongue and bruising the face. For the best results we recommend the following:

3 Penny Finishing Nail for 3/8 inch thick.
3 Penny Bung Head Casing Nail for 1/2 inch thick.
4 Penny Bung Head Casing Nail for 5/8 inch thick.
8 Penny Cut Flooring Brad for 13/16 inch thick.
10 Penny Cut Flooring Brad for 1 1/16 inch thick.
16 Penny Cut Flooring Brad for 1 5/16 inch thick.
16 Penny Cut Flooring Brad for 1 1/2 inch thick.

The 3 and 4 Penny are wire nails and on account of the small gauge and medium length are best adapted to thin flooring. The 8, 10 and 16 Penny are steel cut nails, manufactured especially for laying Hardwood Flooring, and are being used by all up-to-date contractors and floor layers. This nail is the same thickness from point to head and has two smooth sides which are set parallel with the tongue, and eliminates the strain from the narrow part.

HOW TO ARRIVE AT THE AMOUNT OF HARDWOOD FLOORING REQUIRED.

To cover a certain space add the following percentages to the square surface to be covered for the different sizes:

16 2/3%	for	3/8 x 7/8
33 1/3%	"	3/8 x 1 1/2
25%	"	3/8 x 2
33 1/3%	"	1/2 x 1 1/2
37 1/2%	"	1/2 x 2
33 1/3%	"	1/2 x 2 1/4
37 1/2%	"	5/8 x 2
33 1/3%	"	5/8 x 2 1/4
37 1/2%	"	13/16 x 2
33 1/3%	"	13/16 x 2 1/4
25%	"	13/16 x 3 1/4

Add 50% for 5/8 x 1 1/4 and 13/16 x 1 1/2 Maple, Beech, Birch, Walnut and Cherry. Add 33 1/3% for 5/8 x 1 1/2 and 13/16 x 1 1/2 Oak.

These figures are based on laying the flooring straight across the room. When the flooring is laid to produce some design, or where there is cutting to fit around grates and other projectons, more should be added according to the amount of cutting. All bay windows and other off-sets that are to be floored should be figured separately from the main floor.

INSTRUCTIONS FOR OILING AND FINISHING HARDWOOD FLOORS.

Use best Linseed Boiled Oil, put on hot, when dry use best grade floor varnish. Be careful and have room warm and do not put oil or varnish on too thick. May be finished in wax if desired.

For polishing old furniture use alcohol one-half pint, shellac and rosin each one-fourth ounce; after these have dissolved in the alcohol, add one-half pint of linseed oil; shake well. Apply with a sponge or brush, or canton flannel, rubbing it well after the application, which gives a nice polish.

PIANO AND FURNITURE POLISH.

4 ounces Shellac.
1 quart Alcohol.
1 quart Linseed Oil.
1 pint Turpentine.

Mix the above well, then add 4 ounces ammonia water, shake well and apply with soft cloth.

No. Nails. Glue. Cement. Flooring and Oiling.
Postage. Recipe. Wthr Signs.
Brick. Speed Pulley. Day of Week.
Int. Notes. Saving. Corn & Hay. Boxes. Brick.
Metric.
Seeds.
Tacks. Wght
Miles. Land. Wt. Cubic Ft. Wt. of Coins S. & L. Day.
Strength. Harvests. Ice. Signs.
Time. Papers.
Discount. Wood Meas. Trans. No.
Calendar. Saws. Weather.

DOMESTIC POSTAGE.

(Applies also to matter sent to Puerto Rico, Guam, Philippines, Canada, Mexico and Cuba.)

First-class matter (letters, etc.)..... 2c an oz.
Second class (newspapers and periodicals)..... 1c for 4 oz.
Third class (books, circulars)..... 1c for 2 oz.
Fourth class (merchandise)..... 1c an oz.
Registration fee (additional postage)..... 10c
Special delivery stamp (additional to regular postage)..... 10c

First-Class Matter—Letters and all written matter (whether sealed or not), except manuscript copy accompanying proof sheets, also all matter sealed (see below), 2c an ounce, except drop letters at NON-CARRIER offices, 1c an ounce. (Postal cards and private mailing cards, 1c each.)

Second Class—Newspapers and periodcals, 1c for each 4 ounces or part thereof when not sealed.

Third Class—Unsealed "point print" correspondence of the blind, books (printed, not blank), circulars, other printed matter, proof sheets and manuscript copy accompanying same, valentines, sheet music, heliotypes, chromos, posters, lithographs and printed advertising matter in general, all, when not sealed, 1c for two ounces or fraction.

Fourth Class—Merchandise and all matter not included in any of the other classes, and not in its nature perishable or liable to injure the contents of the mails. (By express ruling the postage on seeds, cuttings, roots, scions, and plants is at the rate of 1c for each 2 ounces.) All, when not sealed and not exceeding 4 pounds in weight, 1c an ounce or fraction.

Sealing—Any matter is regarded as sealed when it is not so wrapped as to allow of a thorough examination without in any way injuring the wrapping.

Registration—First, third and fourth class matter, 10c in addition to regular postage.

RECIPE FOR FINISHING FLOORS.

To fill use 2 pounds Yellow Ochre.
2 pounds Spanish Whiting or Silver Whiting.
1 pound Corn Starch.

Stir in boiled linseed oil to make paste consistency of cream, then use turpentine to make thin enough so it will spread easily; use brush or rag to rub over floor; let dry for few moments, then rub off with coarse rag or gunny sack, using clean soft rag to polish and clean; let stand for day and night, then varnish. Do not rub varnish across floor; always varnish the way floor runs. A quart of varnish should cover floor containing 300 square feet one coat. Filler when put on and rubbed off should be rubbed across floor so as to fill all cracks, etc. For very large and open cracks a paste should be made thick of the ochre, whiting and corn starch with the boiled oil. Go over floor and fill up with this all cracks that have not been filled with first application of the filler. Always have cracks filled and rubbed off smoothly before varnish is put on.

For colors, lemon color or orange, use very small amount of red lead (dry); be careful not to use but very small quantity, as it changes the color to reddish cast if used too freely.

To darken use burnt umber. The varnish can be bought in light or dark oak stain; on dark floors or wood the light should be used; on light woods the dark, etc.

WEATHER SIGNALS.

Fair Weather. | Rain or Snow. | Local Rain or Snow. | Temperature. | Cold Wave.

No. 1, alone, indicates fair weather, stationary temperature.

No. 2, alone, indicates rain or snow, stationary temperature.

No. 3, alone, indicates local rain or snow, stationary temperature.

No. 1, with No. 4 above it, indicates fair weather, warmer.

No. 1, with No. 4 below it, indicates fair weather, colder.

No. 2, with No. 4 above it, indicates rain or snow, warmer.

No. 2, with No. 4 below it, indicates rain or snow, colder.

No. 3, with No. 4 above it, indicates local rain or snow, warmer.

No. 3, with No. 4 below it, indicates local ran or snow, colder.

No. 5 indicates cold wave.

STORM AND HURRICANE SIGNALS.

N. E. Winds. | S. E. Winds. | N. W. Winds. | S. W. Winds. | Hurricane.

Storm warning. A red flag with a black center indicates that a storm of marked violence is expected.

The pennants displayed with the flags indicate the direction of the wind; red, easterly (from northeast to south), white, westerly (from southwest to north). The pennant above the flag indicates that the wind is expected to blow from the northerly quadrants, below, from the southerly quadrants.

By night a red light indicates easterly winds, and a white light below a red light, westerly winds.

Hurricane warning. Two red flags with black centers displayed one above the other, indicate the expected approach of a tropical hurricane, or one of those extremely severe and dangerous storms which occasionally move across the lakes and northern Atlantic coast.

No night hurricane warnings are displayed.

Postage. Recipe. Wthr Signs.
Brick. Speed Pulley. Day of Week.
Int. Notes. Saving. Corn & Hay. Boxes. Brick.
Metric.
Seeds.
Tacks. Wght
Miles. Land. Wt. Cubic Ft. Wt. of Coins S. & L. Day.
Strength. Harvests. Ice. Signs.
Time. Papers.
Discount. Wood Meas. Trans. No.
Calendar. Saws. Weather.

Brick Required to Construct Any Building.

(Reckoning 7 brick to each superficial foot.)

Superficial Feet of Wall.	Number of Bricks to Thickness of					
	4 inch.	8 inch.	12 inch.	16 inch.	20 inch.	24 inch.
1	7	15	23	30	38	45
2	15	30	45	60	75	90
3	23	45	68	90	113	135
4	30	60	90	120	150	180
5	38	75	113	150	188	225
6	45	90	135	180	225	270
7	53	105	158	210	263	315
8	60	120	180	240	300	360
9	68	135	203	270	338	405
10	75	150	225	300	375	450
20	150	300	450	600	750	900
30	225	450	675	900	1,125	1,350
40	300	600	900	1,200	1,500	1,800
50	375	750	1,125	1,500	1,875	2,250
60	450	900	1,350	1,800	2,250	2,700
70	525	1,050	1,575	2,100	2,625	3,150
80	600	1,200	1,800	2,400	3,000	3,600
90	675	1,350	2,025	2,700	3,375	4,050
100	750	1,500	2,250	3,000	3,750	4,500
200	1,500	3,000	4,500	6,000	7,500	9,000
300	2,250	4,500	6,750	9,000	11,250	13,500
400	3,000	6,000	9,000	12,000	15,000	18,000
500	3,750	7,500	11,250	15,000	18 750	22,500
600	4,500	9,000	13,500	18,000	22,500	27,000
700	5,250	10,500	15,750	21,000	26,250	31,500
800	6,000	12,000	18,000	24,000	30,000	36,000
900	6,750	13,500	20,250	27,000	33,750	40,500
1000	7,500	15,000	22,500	30,000	37 500	45,000

Here are some figures and rules very handy to know and have at hand in the mind, or on paper.

A rod is 16½ feet, or 5½ yards.
A mile is 320 rods.
A mile is 1,760 yards.
A mile is 5,280 feet.
A square foot is 144 square inches.
A square yard contains 9 square feet.
A square rod is 272¼ square feet.
An acre contains 43,560 square feet.
An acre contains 4,840 square yards.
An acre contains 160 square rods.
A section, or square mile, contains 640 acres.
A quarter section contains 160 acres.
An acre is 8 rods wide by 20 rods long.
An acre is 10 rods wide by 16 rods long.
An acre is about 208¾ feet square.
A solid foot contains 1,728 solid inches.
A pint (of water) weighs one pound.
A solid foot of water weighs 62½ pounds.
A gallon (of water) holds 231 solid inches.
A gallon of milk weighs 8 pounds and 10 ounces.
A pint (of water) holds 28⅞ solid inches (28.875).
A barrel (31½ gallons) holds 4⅕ solid feet (4.311).
A solid foot contains nearly 7½ solid gallons (7.48).
A bushel (struck) contains 2,150 solid inches.
A bushel (heaping) contains 1¼ struck bushels.
A struck bushel contains about 1¼ solid feet.

To PREVENT flat-irons from scorching, wipe them on a cloth wet with kerosene.

WORTH REMEMBERING.

To Know How Many Revolutions a Pulley Will Make.

To know how many revolutions a pulley will make, the speed of the shaft and size of the pulley from which it is driven must first be known. *Example* -If a shaft runs 150 revolutions with a 40" pulley into a 12, what is the speed of the 12"? Multiply the 150 by 40", and divide the result (6,000) by 12 and you get 500 as the speed of the smallest pulley. To know the size of a pulley that would be needed to drive the shaft a ceriain speed, for example: If a shaft makes 300 revolutions per minute with a 40" pulley, what size pulley would be required on a shaft you wish to make 200 revolutions per minute? Multiply the 300 by 40, equals 12,000, and divide by 200 and you get 60' as the size of the pulley required.

To Find Day of Week of Any Required Date.

To find the day of the week of any required date, divide the year by four; add the quotient, the year and the number of days from January 1 to and including the required date, always reckoning 28 days for February. Divide this product by 7, and the remainder will indicate the day of the week, calling Sunday 1, Monday 2, and so on. If there is no remainder, it fell on Saturday. The remainder (if any) after the first division, is not regarded.

Fence Board Table.

No. Boards High.	1 Mile.	½ Mile.	¼ Mile.
One	*2,640 feet.	1,329 feet,	660 feet.
Two	5,280 "	2,640 "	1,320 "
Three	7,920 "	3,960 "	1,980 "
Four	10,560 "	5,280 "	2,640 "
Five	13,200 "	6,600 "	3,300 "

*Board measure.

A Cheap Cement.

Into a solution of gum arabic stir plaster of paris until the mixture assumes the consistency of cream; apply it with a brush to the broken edges of china, and join them together. In three days the articles cannot be broken in the same place. The whiteness of the cement adds to its value.

Cold tea and tea leaves laid about the roots of potted plants fertilize and keep the soil light.

By using soda water as a wash you can clean ceilings that have been smoked by a kerosene lamp.

Cloths dipped into hot potato water are recommended for immediate and complete relief in the severest cases of rheumatism.

To remove scratches on furniture, melt together bees-wax and linseed oil and rub the marred places with it, using a woolen cloth.

To prevent creaking hinges, to make latches slide easy, and, indeed, to reduce any refractory ironwork to terms, the application of a soft lead pencil is equally as effective as oil. One clear advantage is that the use of a pencil for this purpose obviates the chances of soiling the hands or garments, while the annoyances is ordinarily removed by a very few touches of the pencil.

To make paper stick to a wall that has been whitewashed, wash in vinegar or saleratus water.

Brick.
Speed Pulley.
Day of Week.
Int. Notes.
Saving.
Corn & Hay.
Boxes. Brick.
Metric.
Seeds.
Tacks. Wght
Miles. Land.
Wt. Cubic Ft.
Wt. of Coins
S. & L. Day.
Strength.
Harvests.
Ice. Signs.
Time.
Papers.
Discount.
Wood Meas.
Trans. No.
Calendar.
Saws.
Weather.

Results of Saving Small Amounts of Money.

The following shows how easy it is to accumulate a fortune, provided proper steps are taken. The table shows what would be the result at the end of fifty years by saving a certain amount each day and putting it at interest at the rate of 6 per cent.:

Daily Savings.	The Result.	Daily Savings.	The Result.
One cent	$950	Sixty cents	$57,024
Ten cents	9,504	Seventy cents	66,528
Twenty cents	19,006	Eighty cents	76,032
Thirty cents	28,512	Ninety cents	85,537
Forty cents	38,015	One Dollar	95,041
Fifty cents	47,520	Five Dollars	475,208

Nearly every person wastes enough in twenty or thirty years, which, if saved and carefully invested, would make a family quite independent, but the principle of small savings has been lost sight of in the general desire to get rich quickly.

Simple Interest Rules.

THREE PER CENT.—Multiply the principal by the number of days to run and divide by 120.

FOUR PER CENT.—Multiply the principal by the number of days to run; separate the right hand figure from the product and divide by 9.

FIVE PER CENT.—Multiply by number of days and divide by 72.

SIX PER CENT.—Multiply by number of days; separate right hand figure and divide by 6.

SEVEN PER CENT.—Multiply by number of days and divide by 52.

EIGHT PER CENT.—Multiply by number of days and divide by 45.

NINE PER CENT.—Multiply by number of days; separate right hand figure and divide by 4.

TEN PER CENT.—Multiply by number of days and divide by 36.

TWELVE PER CENT.—Multiply by number of days, separate right hand figure and divide by 3.

Relating to Notes.

DEMAND NOTES are payable on presentation without grace, and bear legal interest, after a demand has been made, if not so written. An endorser on a demand note is holden only for a limited time, variable in different States.

A NEGOTIABLE NOTE must be made payable either to bearer, or be properly endorsed by the person to whose order it is made. If the endorser wishes to avoid responsibility, he can endorse "without recourse."

A JOINT NOTE is one signed by two or more persons who each becomes liable for the whole amount.

THREE DAYS GRACE are allowed on all time notes, after the time for payment expires; if not then paid, the endorser, if any should be legally notified to be holden.

NOTES FALLING DUE SUNDAY or on a legal holiday, must be paid the day previous.

NOTES DATED ON SUNDAY are void.

ALTERING A NOTE in any manner by the holder makes it void.

NOTES GIVEN BY MINORS are void.

THE MAKER of a note that is lost or stolen is not released from payment if the amount and consideration can be proven.

NOTES OBTAINED BY FRAUD, or given by an intoxicated person, cannot be collected.

AN ENDORSER has a right of action against all whose names were previously on a note endorsed by him.

DEPOSITS OF MONEY IN A BANK placed to the credit of depositors are always subject to their check for full amount due.

To clean Mica.

As the Mica in stoves often becomes black and smoky, it is sometimes necessary to clean them. For this purpose, take the mica out and thoroughly wash it with Acetic Acid a little diluted. If the black does not come off at once, let them soak a little. Strong vinegar may be used instead of the acid, but it will not produce as good an effect.

TO BRIGHTEN or clean silver or nickle plated-ware, rub with a wooled cloth and flour.

How to Measure Corn in Crib, Hay in Mow, Etc.

This rule will apply to a crib of any size or kind. Two cubic feet of good sound dry corn in the ear will make a bushel of shelled corn. To get then, the quantity of shelled corn in a crib of corn in the ear, measure the length, breadth and height of the crib inside the rail; multiply the length by the breadth, and the product by the height; then divide the product by two and you have the number of bushels of shelled corn in the crib.

To find the number of bushels of apples, potatoes, etc., in a bin, multiply the length, breadth and thickness together, and this product by 8 and and point off one figure in the product for decimals.

To find the amount of hay in a mow, allow 512 cubic feet for a ton and it will come out very generally correct.

Sizes of Boxes for Different Measures.

A box 24 inches long by 16 inches wide and 28 inches deep will contain a barrel or five bushels.

A box 24 inches long by 16 inches wide and 14 inches deep will contain half a barrel.

A box 16 inches square and 8 2-5 inches deep will contain one bushel.

A box 16 inches by 8 2-5 inches wide and 8 inches deep will contain half a bushel.

A box 8 inches by 8 2-5 inches square and 8 inches deep will contain one peck.

A box 8 inches by 8 inches square and 4 1-5 inches deep will contain one gallon.

A box 7 inches by 4 inches square and 4 4-5 inches deep will contain one-half gallon.

A box 4 inches by 4 inches square and 4 1-5 inches deep will contain one quart.

A box 4 feet long by 3 feet 5 inches wide and 2 feet 8 inches deep will contain one ton of coal.

Land Measure.

A township is 36 sections, each a mile square. A section is 640 acres. A quarter section, half a mile square, 160 acres. An eighth section, half a mile long north and south, and a quarter mile wide, is 80 acres. Sections are all numbered from 1 to 36, commencing at the northeast corner.

Shrinkage in Dimensions of Timber by Seasoning.

WOODS.	INCHES.	WOODS.	INCHES.
Pitch pine, South	18⅜ to 18¼	Cedar, Canada	14 to 13¼
Spruce	8⅛ to 8⅜	Elm	11 to 10¾
White pine, Am.	12 to 11⅞	Oak, English	12 to 11⅜
Yellow pine	18 to 17⅞	Pitch pine	10 x 10 to 9¾ x 9¾

Bricks Required for Wall of Various Thickness.

Number for each Square Foot of Face of Wall.

Thickness of wall.		Thickness of wall.	
4 inch	7½	24 inch	45
8 "	15	28 "	52½
12 "	22½	32 "	60
16 "	30	36 "	67½
20 "	37½	42 "	75

Cubic Yard = 600 bricks in wall.
Perch (22 cubic feet) = 500 bricks in wall.
To pave 1 square yard on flat requires 41 bricks.
To pave one square yard on edge requires 68 bricks.

A cord of stone, 3 bushels of lime, and a cubic yard of sand, will lay 100 cubic feet of wall.

Five courses of brick will lay 1 foot in height on a chimney. 8 bricks in a course will make a flue 8 inches wide and 16 inches long, and 6 bricks in a course will make a flue 4 inches wide and 12 inches long.

Cement 1 bushel and sand 2 bushels, will cover 3½ square yards 1 inch thick, 4½ square yards, ¾ inch thick, 6¾ square yards, ½ inch thick, 1 bushel cement and 1 of sand will cover 2¼ square yards, 1 inch thick, 3 square yards, ¾ inch thick, and 4½ square yards, ½ inch thick.

Int. Notes. Saving. Corn & Hay. Boxes. Brick. Metric. Seeds. Tools. Tacks. Wght Miles. Land. Wt. Cubic Ft. Wt. of Coins S. & L. Day. Strength. Harvests. Ice. Signs. Time. Papers. Discount. Wood Meas. Trans. No. Calendar. Saws. Weather.

THE METRIC SYSTEM.

MEASURES OF WEIGHT.

(Unit Gramme).

	Grains.	Oz. Troy.	Lb. Avoir.	Cwt.
Centigramme	0.15432	———	———	———
Decigramme	1.54323	0.003	———	———
Gramme	15.43235	0.032	0.002	———
Decagramme	154.32349	0.321	0.022	———
Hectogramme	1543.23488	3.215	0.220	0.001
Kilogramme	15432.34880	32.150	2.204	0.019

MEASURES OF LENGTH.

(Unit Metre).

	Inches.	Feet.	Yards.	Miles.
Millimetre	0.03937	0.003	0.001	———
Centimetre	0.39371	0.032	0.010	———
Decimetre	3.93708	0.328	0.109	———
Metre	39.37079	3.280	1.093	———
Decametre	393.70790	32.808	10.936	0.006
Hectometre	3937.07900	328.089	109.363	0.062
Kilometre	39370.79000	3280.899	1093.633	0.621

CONVENIENT MULTIPLIES FOR CONVERSION.

To Convert	multiply by	
Grains to Grammes	"	.065
Ounces to Grammes	"	28.35
Pounds to Grammes	"	453.6
" " Kilogrammes	"	.45
Cwts. to "	"	50.8
Tons " "	"	1016.
Grammes to Grains	"	15.4
" " Ounces	"	0.35
Kilogrammes to Ounces	"	35.3
" " Pounds	"	2.2
" " Cwts.	"	.02
" " Tons	"	.001
Inches to Millimetres	"	25.4
" " Centimetres	"	2.54
Feet to Metres	"	.3048
Yards to "	"	.9144
" " Kilometres	"	.0009
Miles " "	"	1.6
Millimetres to Inches	"	.04
Centimetres " "	"	.4
Metres to Feet	"	3.3
" " Yards	"	1.1
Kilometres to Yards	"	1093.6
" " Miles	"	.62

1 Yard=0.9144 metre. 1 Sq. Metre=1.196 sq. yd. 1 Litre=1.760 Pints or 0.22 Gals.

METRIC EQUIVALENTS.

Linear Measure.

1 centimeter=0.3937 in. — 1 in.=2.54 centimeters.

1 decimeter=3.937 in.=0.328 feet. — 1 ft.=3.048 decimeters.

1 meter=39.37 in.=1.0936 yards. — 1 yard=0.9144 meter.

1 dekameter=1.9884 rods. — 1 rod=0.5029 dekameter.

1 kilometer=0.62137 mile. — 1 mile=1.6093 kilometers.

Square Measure.

1 sq. centimeter=0.1550 sq. in.	1 sq. inch=6.452 square centimeters.
1 sq. decimeter=0.1076 sq. ft.	1 sq. foot=9.2903 square decimeters.
1 sq. meter=1.196 sq. yd.	1 sq. yd.=0.8361 sq. m'r.
1 are.=3.954 sq. rd.	1 sq. rd.=0.2529 are.
1 hektar=2.47 acres.	1 acre=0.4047 hektar.
1 sq. kilometer=0.386 sq. m.	1 sq. m.=2.59 sq. kilometers.

Measure of Volume.

1 cu. centimeter=0.061 cu. in.	1 cu. in.=16.39 cu. centimeters.
1 cu. decimeter=0.0353 cu. ft.	1 cu. ft.=28.317 cu. decimeters.
1 cu. mr = 1.308 cu. yd.	1 cu. yd.=0.7646 cu. m'r.
1 stere = 0.2759 cd.	1 cord=3.624 steres.
1 liter= 0.908 qt. dry. / 1.0567 qt. liq.	1 qt. dry=1.101 liters. / 1 qt. liq.=0.9463 liter.
1 dekaliter= 2.6417 gal. / .135 pks.	1 gal.=0.3785 dekaliter. / 1 peck=0.881 dekaliter.
1 hektoliter=2.8375 bush.	1 bus.=0.3524 hektoliter.

Weights.

1 gram.=0.03527 ounce.	1 ounce=28.85 grams.
1 kilogram=2.2046 lbs.	1 lb.=0.4536 kilogram.
1 metric ton=1.1023 English ton.	1 English ton=0.9072 metric ton.

Approximate Metric Equivalents.

1 decimeter=4 inches.	1 liter= 1.06 qt. liquid. / 0.9 qt. dry.
1 meter=1.1 yards.	1 hektoliter=2⅝ bush.
1 kilometer=⅝ of mile.	1 kilogram=2⅕ lbs.
1 hektar=2½ acres.	1 metric ton=2,200 lbs.
1 stere or cu. meter=¼ of a cord.	

Weight.

Metric Names.	No. Grams.	Avoirdupois Weight.
Millier or tonneau	1,000,000	2204.6 pounds.
Quintal	100,000	220.46 pounds.
Myriagram	10,000	22.046 pounds.
Kilogram or kilo	1,000	2.2046 pounds.
Hectogram	100	3.5274 ounces.
Dekagram	10	0.3527 ounces.
Gram	1	.56432 drams.
Decigram	.1	.05643 drams.
Centigram	.01	.005643 drams.
Milligram	.001	.0154 grains.

Length.

Myriameter	10,000 meters	6.2137 miles.
Kilometer	1,000 meters	0.62137 miles. or 3,280 feet 10 inches.
Hectometer	100 meters	328 feet 1 inch.
Dekameter	10 meters	393.7 inches.
Meter	1 meter	39.37 inches.
Decimeter	.1 of a meter	3.937 inches.
Centimeter	.01 of a meter	.3937 inch.
Millimeter	.001 of a meter	.0394 inch.

Surface.

Hectare	10,000 square meters	2.471 acres.
Are	100 square meters	119.6 sq. yards.
Centare	1 square meter	1.550 sq. inches.

Capacity.

Names.	No. Liters.	Cubic Measure.	Dry Measure.	Wine Measure
Kiloliter	1,000	1 cubic meter.	1.308 cubic yards.	264.17 gallons.
Hectoliter	100	.1 cubic meter.	2 bushels, 3.35 pecks.	26.417 gallons.
Decaliter	10	10 cubic decimeters.	9.08 quarts.	2.6417 gallons.
Liter	1	1 cubic decimeter.	.908 quart.	1.0567 quarts.
Deciliter	.1	.1 cubic decimeter.	6.1022 cubic inches.	.845 gill.
Centiliter	.01	10 cubic centimeters.	.6102 cubic inch.	.338 fluid ounce.
Milliliter	.001	1 cubic centimeter.	.061 cubic inch.	.27 fluid dram.

Metric.
Seeds.
Tacks. Wght
Miles. Land.
Wt. Cubic Ft.
Wt. of Coins
S. & L. Day.
Strength.
Harvests.
Ice. Signs.
Time.
Papers.
Discount.
Wood Meas.
Trans. No.
Calendar.
Saws.
Weather.

Table Showing the Weights of Various Articles.

Barley	per bushel, 48 lbs.
Beans	per bushel, 60 lbs.
Buckwheat	per bushel, 50 lbs.
Broom Corn	per bushel, 46 lbs.
Blue Grass, Kentucky	per bushel, 14 lbs.
Blue Grass, English	per bushel, 24 lbs.
Clover Seed	per bushel, 60 lbs.
Corn, shelled	per bushel, 56 lbs.
Corn, on the ear	per bushel, 68 lbs.
Flax Seed	per bushel, 56 lbs.
Hemp Seed	per bushel, 44 lbs.
Hungarian Grass Seed	per bushel, 48 lbs.
Millet	per bushel, 50 lbs.
German Millet	per bushel, 50 lbs.
Oats	per bushel, 32 lbs.
Onions	per bushel, 57 lbs.
Osage Orange	per bushel, 33 lbs.
Orchard Grass	per bushel, 14 lbs.
Peas, hard	per bushel, 60 lbs.
Peas, wrinkled	per bushel, 56 lbs.
Potatoes, Irish	per bushel, 60 lbs.
Red Top Seed	per bushel, 14 lbs.
Rye	per bushel, 57 lbs.
Sweet Potatoes	per bushel, 56 lbs.
Timothy Seed	per bushel, 45 lbs.
Top Onions	per bushel, 28 lbs
Turnips	per bushel, 55 lbs.
Wheat	per bushel, 60 lbs.

Quantity of Seed usually Sown upon an Acre.

Barley, broadcast	2 to 3 bushels.
Beans, Dwarf, in drills	1½ bushels.
Beans, Pole, in hills	10 to 12 quarts.
Beets, in drills	5 to 6 pounds.
Broom Corn, in hills	8 to 10 quarts.
Buckwheat	1 bushel.
Cabbage, in beds to transplant	¼ pound.
Carrot, in drills	3 to 4 pounds.
Chinese Sugar Cane	12 quarts.
Corn, in hills	8 to 10 quarts.
Corn, for soiling	3 bushels.
Cucumber, in hills	2 pounds.
Flax, broadcast	1½ bushels.
Hemp	1½ bushels.
Mustard, broadcast	½ bushel.
Melon, Musk, in hills	2 to 3 pounds.
Melon, Water, in hills	4 to 5 pounds.
Millet, broadcast	1 bushel.
Oats, broadcast	2 to 3 bushels.
Onion, in drills	5 to 6 pounds.
Onion, for sets, in drills	30 pounds.
Onion Sets, in drills	6 to 12 bushels.
Parsnips, in drills	4 to 6 pounds.
Peas, in drills	1½ bushels.
Peas, broadcast	3 bushels.
Potatoes, cut tubers	8 to 10 bushels.
Pumpkin, in hills	2 to 3 pounds.
Radish, in drills	8 to 10 pounds.
Rye, broadcast	1½ to 2 bushels.
Sage, in drills	8 to 10 pounds.
Salsify, in drills	8 to 10 pounds.
Spinach, in drills	10 to 12 pounds.
Squash, bush varieties	4 to 6 pounds.
Squash running varieties	3 to 4 pounds.
Tomato, to transplant	¼ pound.
Turnip, in drills	1½ to 2 pounds.
Turnip, broadcast	1 to 2 pounds.
Vetches, broadcast	2 to 3 pounds.
Wheat, broadcast	1¼ to 2 bushels.

Grass Seeds to the Acre.

White Clover	7 to 10 pounds.
Red Clover	10 to 15 pounds.
Mammoth Clover	10 pounds.
Lucerne Clover	12 to 20 pounds.
Alsike Clover	4 to 6 pounds.
Timothy	12 pounds.
Hungarian Grass	1 bushel.
Blue Grass	1½ to 3 bushels.
Rye Grass	1½ to 2 bushels.
Orchard Grass	1½ to 2 bushels.
Red Top Grass	1½ to 2 bushels.
Mixed Lawn Grass	2 to 3 bushels.
Millet	1 bushel.
Clover and Timothy, mixed, each	8 to 10 pounds.

Quantity of Seeds Required for a given Number of Plants, Number of Hills, or Length of Drill,

Asparagus	1 oz. to 60 feet drill.
Beet	1 oz. to 50 feet drill.
Carrot	1 oz. to 150 feet drill.
Endive	1 oz. to 150 feet drill.
Okra	1 oz. to 40 feet drill.
Onion	1 oz. to 100 feet drill.
Parsley	1 oz. to 150 feet drill.
Parsnip	1 oz. to 200 feet drill.
Radish	1 oz. to 100 feet drill.
Salsify	1 oz. to 70 feet drill.
Spinach	1 oz. to 100 feet drill.
Turnip	1 oz. to 150 feet drill.
Cucumber	1 oz. to 50 hills.
Water-melon	1 oz. to 30 hills
Musk-melon	1 oz. to 60 nills
Early Squash	1 oz. to 50 hills.
Marrow Squash	1 oz. to 16 hills.
Cabbage	1 oz. to 3,000 plants.
Cauliflower	1 oz. to 3,000 plants.
Celery	1 oz. to 4,000 plants.
Egg Plant	1 oz. to 2,000 plants.
Lettuce	1 oz. to 4,000 plants.
Pepper	1 oz. to 2,000 plants.
Tomatoe	1 oz. to 2,000 plants.

The Number of Plants, Trees, Etc., Required to Set an Acre.

Distance.	*Number.*
1 foot by 1 foot	43,560
1½ feet by 1½ feet	19,360
2 feet by 2 feet	10,890
2½ feet by 2½ feet	6,970
3 feet by 1 foot	14,520
3 feet by 2 feet	7,260
3 feet by 3 feet	4,840
4 feet by 4 feet	2,722
5 feet by 5 feet	1,742
6 feet by 6 feet	1,210
9 feet by 9 feet	537
12 feet by 12 feet	302
15 feet by 15 feet	194
18 feet by 18 feet	134
20 feet by 20 feet	105
25 feet by 25 feet	70
30 feet by 30 feet	49
40 feet by 40 feet	27

If the sap of green timber be prevented from escaping at the ends of the sticks, as in the case of girders, etc., enclosed airtight in brickwork or masonry, its fermentation will produce dry rot. The painting of green timber conduces to the same end. Alternate exposure to water and air produces wet rot.

In a free circulation of dry air timber will endure for centuries, if not attacked by worms.

How to Mix Printing Inks and Paints in the Preparation of Tints.

THE FIRST NAMED COLOR ALWAYS PREDOMINATES.

Mixing dark green and purple makes	Bottle green
" white and medium yellow makes	Buff tint
" red, black and blue makes	Dark brown
" bronze blue, lemon yellow and black makes	Dark green
" white, medium yellow and black makes	Drab tint
" white, lake and lemon yellow makes	Flesh tint
" lemon yellow and bronze blue makes	Grass green
" white and black makes	Gray tint
" white and purple makes	Lavender tint
" red, black and medium yellow makes	Maroon
" lake and purple makes	Magenta
" medium yellow and purple makes	Olive green
" medium yellow and red makes	Orange
" white, ultramarine blue and black makes	Pearl tint
" white and lake makes	Pink
" ultramarine blue and lake makes	Purple
" orange, lake and purple makes	Russet
" medium yellow, red and white makes	Sienna
" white and ultramarine blue makes	Sky blue
" red and black makes	Brown
" lake and white makes	Rose
" white and brown makes	Chestnut
" white, blue and lake makes	Purple
" blue and lead-color makes	Pearl
" white and carmine makes	Pink
" indigo and lamp black makes	Silver gray
" white and lamp black makes	Lead color
" black and Venetian red makes	Chocolate
" white and green makes	Bright green
" purple and white makes	French white
" light green and black makes	Dark green
" white and green makes	Pea green
" white and emerald green makes	Brilliant green
" red and yellow makes	Orange
" white and yellow makes	Straw color
" white, blue and black makes	Pearl gray
" white, lake and Vermillion makes	Flesh color
" umber, white and Venetian red makes	Drab
" white, yellow and Venetian red makes	Cream
" red, blue, black and red makes	Olive
" yellow, white and a little Venetian red makes	Buff

To Mark Tools.

To mark tools, first cover the article to be marked with a thin coating of tallow or beeswax; then with a sharp instrument write the name in the tallow. Clear with a feather; fill the place written—the letters—with nitric acid; let it remain from one to ten minntes, then dip in water and rub off, and the marks will be etched in the steel or iron.

Number of Nails and Tacks Per Pound.

NAILS. SIZES.	Length Inches.	Nails in a Pound.
3d fine blued	1⅛	725
3 common blued	1¼	400
4d " "	1½	300
6d " "	2	150
8d " "	2½	85
10d " "	3	60
12d " "	3¼	50
16d " "	3½	40
20d " "	4	20
30d " "	4½	16
40d " "	5	14
50d " "	5½	11
60d " "	6	8

NAILS. SIZES.	Length Inches.	Nails in a Pound.
6d fence	2	80
8d "	2½	50
10d "	3	30
12d "	3¼	27
16d "	3½	20
6d finishing	2	317
8d "	2½	208
10d "	3	126
6d clinchi'g	2	118
8d "	2½	80
10d "	3	45

TACKS. NAME.	Length Inch.	No. per lb.
1 oz.	⅛	16,000
1½ "	3-16	10,666
2 "	¼	8,000
2½ "	5-16	6,400
3 "	⅜	5,333
4 "	7-16	4,000
6 "	9-16	2,666
8 "	⅝	2,000
10 "	11-16	1,600
12 "	¾	1,333
14 "	13-16	1,143
16 "	⅞	1,000
18 "	15-16	888
20 "	1	800
22 "	1 1-16	727
24 "	1¼	666

Nails are put up 100 pounds to the keg.

WEIGHTS AND MEASURES.

Troy Weight.

By this weight gold, silver and jewels only are weighed.

NOTE—Grains and ounces same as apothecaries weight.

24 grains (gr.).....1 pennyweight (pwt.)
20 pennyweights.....1 ounce (oz.)
12 ounces.....1 pound (lb.)

Apothecaries Weight.

Is used by apothecaries and physicians in dispensing medicines not liquid.

20 grains.....1 scruple.
3 scruples.....1 dram.
8 drams.....1 ounce.
12 ounces.....1 pound.

Avoirdupois Weight.

Is the standard weight for weighing the greater portion of articles used in trade and commerce, such as groceries, produce, iron, coal, hay, etc., etc.

437½ grains (gr.).....1 ounce (oz.)
16 ounces.....1 pound (lb.)
25 pounds.....1 quarter (qr.)
4 quarters..... 1 hundred weight (cwt.)
20 cwt.....1 ton (T.)

Wood Measure.

For measuring wood, stone, fencing, etc., etc.

16 cubic feet.....1 cord foot.
8 cord feet, or 128 cubic feet.....1 cord.
24¾ cubic feet.....1 perch of stone or masonary.

Dry Measure.

Is used in measuring articles not fluid, such as seeds, vegetables, grains, fruit, salt, etc.

2 pints (pt.).....1 quart (qt.)
8 quarts.....1 peck (pk.)
4 pecks.....1 bushel (bu.)
36 bushels.....1 ch'ldron (ch.)

Cubic or Solid Measure.

Used in measuring anything containing length, breadth, depth and thickness, such as stone, boxes, timber, bins, cisterns, etc.

1728 cubic inches (cu. in.).....1 cubic foot (cu. ft.)
27 cubic feet.....1 cubic yard (cu. yd.)
40 cubic feet.....1 ton of ship cargo.
50 cubic feet square timber.....1 ton.

Liquid Measure.

Used in measuring liquids, such as liquors, vinegar, oils, etc., etc.

4 gills.....1 pint.
2 pints.....1 quart.
4 quarts.....1 gallon.
31½ gallons.....1 barrel.
2 barrels.....1 hogshead.

Linear or Long Measure.

For measuring lengths, distances, etc.

12 inches.....1 foot.
3 feet.....1 yard.
5½ yards.....1 rod.
16½ feet.....1 rod.
320 rods.....1 mile.

For measuring heights and distance.

3 inches.....1 palm.
4 inches.....1 hand.
9 inches.....1 span.
3 3-10 feet.....1 pace.

Miscellaneous Table.

12 units.....1 dozen.
20 units.....1 score.
12 dozen.....1 gross.
12 gross.....1 great gross.

Mariners' Measure.

Used by mariners in calculating distances on water and speed of vessels.

3 inches.....1 palm.
8 spans, or 6 feet.....1 fathom.
120 fathoms.....1 cable's length.
7½ cables.....1 mile or knot.
6080 feet nearly.....1 mile or knot.
3 miles.....1 league.

Surveyors' Long Measure.

For measuring boundaries of land, areas, railroads, canals, etc., etc.

7 92-100 inches.....1 link.
25 links.....1 rod.
4 rods.....1 chain.
80 chains.....1 mile.

Surface or Square Measure.

Used in ascertaining the extent of surfaces, such as land, boards, plaster, paving, etc.

144 square inches.....1 square foot.
9 square feet.....1 square yard.
30¼ sq. yards.....1 sq. rod or perch.
160 square rods.....1 acre.
640 square acres.....1 square mile.

Surveyors' Square Measure.

Used for measuring the area or contents of fields, farms and government land, etc.

625 square links.....1 pole.
16 poles.....1 square chain.
10 square chains.....1 acre.
640 acres.....1 square mile.
36 sq. miles (6 miles sq.)...1 township.

Apothecaries' Fluid Measure.

Used in mixing liquid medicine by measure.

60 Minims (m)..... 1 fluid drachm, ƒ3
8 ƒ3.....1 fluid ounce, ƒ3
16 ƒ3.....1 pint, *O.* (*Octarius.*)
8 *O*.....1 gallon (*Cong. Congius.*)

Tints. Tools. Tacks. Wght
Miles. Land. Wt. Cubic Ft. Wt. of Coins S. & L. Day.
Strength. Harvests. Ice. Signs.
Time. Papers.
Discount. Wood Meas. Trans. No.
Calendar. Saws. Weather.

Miscellaneous Weights and Measures.

1 bbl. of flour	weighs 196 lbs.	1 bu. of salt	weighs 50 lbs.
1 bbl. of beef, pork or fish	" 200 "	1 bbl. of rice	" 600 "
1 bbl. of salt	" 280 "	1 firkin of butter	" 56 "

3 inches 1 palm, 4 inches 1 hand, 9 inches 1 span, 18 inches 1 cubit, 21.8 inches 1 Bible cubit, 2½ feet 1 military pace.

Shoemaker's Measure.

3 Barleycorns or sizes.....1 inch.

Number one, *children's measure*, is 4⅔ inches, and that every additional number calls for an increase of ⅓ of an inch in length. Number one, *adult's measure*, is 8⅓ inches long, with a gradual increase of ⅓ of an inch for additional numbers, so that, for example, number ten measures 11⅓ inches. This measure corresponds to the number of the *last*, and not to the length of the *sole*.

Measures of Capacity.

Dry—2,150.42 cubic inches equal 1 United States (or Winchester) bushel; the dimensions of which are 18½ inches diameter inside, 19½ inches outside and 8 inches deep; 2,747.70 cubic inches 1 heaped bushel, the cone of which must not be less than 6 inches high.

Liquids—231 cubic inches equal 1 United States standard gallon; 282 cubic inches 1 ale gallon; 31½ U. S. gallons 1 barrel; 42 gallons 1 tierce; 63 gallons 1 hogshead; 84 gallons 1 puncheon; 126 gallons 1 pipe; 252 gallons 1 ton.

Number of Feet in Miles of Different Countries.

	Feet.		Feet.
Arabian	6,444	Italian	6,225
Bohemian	30,561	Lutheran	29,252
Brebant	18,246	Oldenburg	32,460
Burgundy	18,594	Persian paisang	18,253
Chinese Ills	1,884	Polish (short)	18,285
Dutch	19,185	Polish (long)	24,303
Danish	24,732	Portuguese (leguos)	20,280
English (U. S.)	5,280	Prussian	25,404
English geographical	6,075	Roman (ancient)	4,839
Flemish	20,607	Roman (modern)	6,105
German geographical	24,300	Russian (verst)	3,501
Hamburg	24,732	Saxon	29,715
Hanover	34,677	Scotch	5,852
Hesse	31,641	Silesian	21,249
Hungarian	27,339	Spanish (leguas)	13,890
French (art leagues)	14,580	Spanish (com)	22,248
French (marine)	18,235	Swiss	27,498
Legal league, 2000 toises	12,789	Swedish	35,112
Irish	9,114	Turkey	5,463

The Weight, Avoirdupois, of a Cubic Foot of Different Substances.

One Cubic Foot of	Weight lb.	One Cubic Foot of	Weighs lb.
Aluminum	166	Ice	58
Antimony, cast	409	Lead	708¾
Bismuth	613	Lead, rolled	711
Brass, cast	524	Loose earth or sand	95
Brass	534¾	Marble	171
Bronze	534	Mercury	848
Brick	125	Platinum	1,218
Copper	555	Platinum, sheets	1,436
Clay	135	Soil (common)	124
Clay and stones	160	Soil (strong)	127
Coal (anthracite)	54	Sand	95
Coal (bituminous)	50	Silver	654
Charcoal hardwood)	18½	Silver, standard	644
Charcoal (pine)	18	Steel	490
Cork	15	Tallow	59
Granite	165	Tin	456
Gold	1,203	Water (pure)	62½
Gold. 24 karat	1,208	Water (sea)	64½
Gun-metal	528	Wood (oak)	55
Glass	180	Wood (yellow pine)	42
Iron (wrought)	486¾	Wood (white pine)	30
Iron (cast)	450½	Zinc	439

Standard Weights of United States Coins.

	Grains.		Grains.
Double Eagle	$20, gold, 516	Trade Dollar	silver 420
Eagle	10, " 258	One Dollar	" 412.5
Half Eagle	5, " 129	Half Dollar	" 192.9
Quarter Eagle	2½, " 65.5	Quarter Dollar	" 96.45
Three Dollars	" 77.4	Twenty Cents	" 77.16
One Dollar	" 25.8	Dime	" 38.58

5 cents copper nickel ..... 77.16 Grains.
3 " " " ..... 30. "
1 " bronze ..... 48. "
U. S. gold and silver coins are 9-10 fine.

Cloth Measure.

2¼ inches 1 nail, 4 nails 1 quarter, 4 quarters 1 yard.

How to Measure Land.

A square acre is about 208 feet 8½ inches on every side.

In order to lay out one acre of land four times as long as the width, the length must be 417 feet 5 inches, and the width 104 feet 4 inches.

Twenty feet front and 2,187 feet deep is one acre.

Twenty-five feet front and 1,742½ feet deep is one acre.

Thirty-three feet front and 1,320 feet deep is one acre.

Forty feet front and 1,089 feet deep is one acre.

Fifty feet front and 876½ feet deep is one acre.

One hundred feet front and 435½ feet deep is one acre.

In one square acre there are 43,560 superficial feet.

A strip one rod wide and one mile long is two acres. By this it is easy to calculate the quantity of land taken up by roads and also how much is wasted by fences.

Acre.

The following gives the comparative size, in square yards, of acres in different countries;

English acre, 4840 square yards; Scotch, 6150; Irish, 7840; Hamburg, 11,545; Amsterdam, 9722; Dantzic, 6650; France, (hectare), 11,960; Prussia, (morgen), 3053.

This differenee should be borne in mind in reading of the products per acre in different countries. Our land measure is that of England.

Cubic Measure.

A load of earth contains a cubic yard and weighs about 3,250 pounds.

Railway and transportation companies estimate light freight by the number of cubic feet it occupies, but heavy freight is estimated by weight.

A pile of wood 4 feet wide, 4 feet high and 8 feet long contains 1 cord; and a cord foot is 1 foot in length of such a pile.

A perch of stone or masonry is 16½ feet long, 1½ feet wide and 1 foot high, and contains 24¾ cubic feet.

A brick is usually 8 inches long, 4 inches wide and 2 inches thick; hence 27 bricks make a cubic foot.

Measurement of Wall Paper.

Wall paper is sold only by the roll, any part of roll being counted as a whole. American wall paper is 18 inches wide, 24 feet in single roll and 48 feet in double roll. To find the number of rolls required for any sized room, reduce walls and ceilings to square feet, deduct square feet in doors and windows and divide by 36; the answer is number of single rolls required.

Shortest and Longest Days of the Year.

The middle day in spring is the 22nd day of March, then the days and nights are each twelve hours long. The middle day in summer is the 22nd day of June when the days are the longest. The day is shortest on the 22nd of December. On the 22nd of September the days and nights are equal.

Value of a Ton of Silver and a Ton of Gold.

The value of a ton of Silver is $37,704.87.

$1,000,000 silver coin weigh 58,929.9 pounds avoirdupois.

The value of a ton of pure Gold is $602,799.22.

$1,000,000 gold coin weigh 3,685.8 pounds avoirdupois.

A million dollars, it is said, will weigh 1⅔ tons in gold, 25 tons in subsidiary silver coin, 26¾ tons in standard silver coin, and 100 tons in nickel.

Miles. Land.
Wt. Cubic Ft.
Wt. of Coins
S. & L. Day.
Strength.
Harvests.
Ice. Signs.
Time.
Papers.
Discount.
Wood Meas.
Trans. No.
Calendar.
Saws.
Weather.

Comparative Strength of Timber and Cast Iron.

Table showing the transverse strength of timber and of cast iron one foot long and one inch square:

Material.	Breaking Wt. lbs.	Wt. borne with safety, lbs.
Ash, seasoned	175	105
Chestnut, seasoned	170	115
Hickory, seasoned	270	200
White oak, seasoned	240	196
White pine, seasoned	135	95
Yellow pine, seasoned	150	100
Iron (cast)	5781	4000

Degrees of Cold above Zero at which the Following Substances Freeze.

Milk	30	Spirits of Turpentine	14
Water	32	Wines	20
Olive Oil	36	Vinegar	28

Degrees below Zero at which the Following Freeze.

Brandy	7	Greatest artificial cold	200
Proof Spirit	7	Cold experienced by Arctic navigators	70
Mercury	40		

Degrees of Heat above Zero at which the Following Substances Boil.

Alcohol	173	Linseed Oil	640
Water	212	Blood Heat	98
Petroleum	306	Eggs Hatch	104

Harvests of the World.

January is the harvest month in Australia, New Zealand, Chili, and Argentine Republic.

February and March in East India and Upper Egypt.

April in Lower Egypt, Syria, Cyprus, Persia, Asia Minor, India, Mexico, and Cuba.

May in Tunis, Algeria, Central Asia, China, Japan, Morocco, Texas and Florida.

June in Turkey, Greece, Italy, Spain, Portugal, the South of France, California, Oregon, Louisiana, Mississippi, Alabama, Georgia, Carolina, Tennessee, Virginia, Kentucky, Kansas, Arkansas, Utah, Colorado, Missouri and Southern Maryland.

July in Roumania, Bulgaria, Austro-Hungaria, the South of Russia, Germany, Switzerland, France, the South of England, Nebraska, Iowa, Illinois, Indiana, Michigan, Ohio, New York, New England, and Western Maryland.

August in Belgium, Holland, Great Britain, Denmark, Poland, Minnesota, Wisconsin, Dakota, Montana, Canada, Columbia, and Manitoba.

September and October in Scotland, Sweden, Norway, and North Russia.

November in Peru and South Africa.

December in Burmah.

Business Maxims.

Endeavor to be perfect in the calling in which you are engaged.

Think nothing insignificant which has a bearing upon your success.

There is more in the use of advantages than in the measure of them.

Make no investments without a full acquaintance with their nature and condition; and select such investments as have intrinsic value.

Of two investments, choose that which will best promote your regular business.

Become known—and favorably known.

Never refuse a choice when you can get it.

Goods well bought are half sold.

Goods in store are better than bad debts.

Nothing valuable is lost by civility.

By prosecuting a useful business energetically, humanity is benefited.

Keep accurate accounts, and know the exact condition of your affairs.

Be economical; a gain usually requires expense; what is saved is clear.

Reality makes no allowances for wishes or bad plans.

TO REDUCE any size piece of lumber to feet, multiply length, breadth and thickness together and divide by twelve. All lumber less than 1 inch in thickness is considered inch lumber in measuring.

Strength of Ice of Various Thicknesses.

Good clear ice two inches thick will bear men to walk on.
Good clear ice four inches thick will bear horses and riders.
Good clear ice six inches thick will bear horses and teams with moderate loads.
Good clear ice eight inches thick will bear horses and teams with very heavy loads.
Good clear ice ten inches thick will sustain a pressure of 1000 pounds per square foot.

To Remove Panes of Glass.

A safe and easy method is to apply soft soap to the putty, which, in a few hours, will soften it.

Transparent Mucilage.

A transparent mucilage of great tenacity may be made by mixing rice flour with cold water and letting it simmer over the fire.

The Marks and Rules in Punctuation, Accent, Etc.

1. The Comma (,) denotes a slight pause, and divides a sentence into its component parts.
2. The Semicolon (;) indicates a longer pause, and also divides compound sentences.
3. The Colon (:) is placed between the chief divisions of a sentence, when these are but slightly connected.
4. The period (.) denotes the close of a sentence.
5. The Dash (—) indicates a sudden change of subject.
6. The Interrogation point (?) is used when a question is asked.
7. The Exclamation point (!) denotes wonder or astonishment.
8. The Parenthesis ( ) includes something not essential to the sense.
9. Quotation marks (" ") indicates a verbatim quotation.
10. The Hyphen (-) connects the syllables, or parts of a word.
11. The Caret (∧) denotes that some letter, word or phrase has been omitted.
12. The Brackets [ ] are chiefly used to denote corrections.
13. The Ellipsis (* * *) (——) denotes the omission of letters or words.
14. The Index (☞) points to something of special significance.

The Stars (***) or N. B., are used for a similar purpose.

The Brace (}) connects several words with one common term.

The Paragraph (¶) begins a new subject.

The Section (§) is used to sub-divide chapters.

Leaders (....) are used in indexes, leading the eye to the end of the line, for the completion of the sense.

Arithmetical Signs and Their Signification.

=	Sign of Equality, and signifies	as	4+12=16.
+	" Addition,	"	as 8+ 8=16 the sum.
−	" Subtraction,	"	as 12− 4= 8 the remainder.
×	" Multiplication,	"	as 12× 3=36 the product.
÷	" Division,	"	as 24÷ 3= 8 or $2\frac{4}{8}$=8.
√	" Square Root,	"	Evolution or Extraction of Square Root.
6^2	Sign of to be Squared,	"	thus 8^2=64 Involution, or
7^3	" to be Cubed,	"	thus 3^3=27 the Raising of

Weights of Metals without Weighing.

Wrought Iron.—Find the number of cubic inches in the piece, multiply them by .2816. The product will be in pounds.
Cast Iron.—Multiply the number of cubic inches by .2607.
Copper.—Multiply the number of cubic inches by .3242.
Lead.—Multiply the number of cubic inches by .41015.
Brass.—Multiply the number of cubic inches by .3112.

Few persons know what is meant by a "size" in the matter of coats, shoes, etc. A size in a coat is an inch, a size in underwear is two inches, a size in a sock is one inch, in a collar one-half an inch, in a shirt one-half an inch, in shoes one-sixth of an inch, trousers one inch, gloves one-quarter of an inch, and hats one-eighth of an inch.

In battle or business whatever the game,
In law or in love it is ever the same;
In the struggle for power, or scramble for pelf,
Let this be your motto—Rely on yourself!
For whether the prize be a ribbon or throne,
The victor is he who can "go it a alone!"

Strength. Harvests. Ice. Signs. Time. Papers. Discount. Wood Meas. Trans. No. Calendar. Saws. Weather.

U. S. Money.

10 mills	1 cent.
10 cents	1 dime.
10 dimes	1 dollar.
10 dollars	1 eagle.

Note—The mill is not coined.

Circular Measure.

Used in astronomy, geography navigation and surveying; also for calculating the differences of time.

60 seconds (″)	1 minute.
60 minutes (′)	1 degree (°).
30°	1 sign (s).
12s or 360°	1 circle (c)

Measurement of Time.

TABLE.

60 seconds	1 minute.
60 minutes	1 hour.
24 hours	1 day.
7 days	1 week.
28 days	1 lunar month
28, 29, 30 or 31 days	1 cal. month.
12 cal. months	1 year.
365 days	1 com. year.
366 days	1 leap year.
365¼ days	1 Julian year.
365 d., 5 h., 48 m., 49 s	1 solar year.
365 d., 6 h., 9 m., 12s	1 siderial year.
10 years	1 decade.
10 decades or 100 years	1 centuary.

Measurement of Time.

The greatest distance across the circle is called its diameter. The distance around it is called its *circumference*. Any part of the circumference is called an *arc*.

Longitude and Time.

TABLE.

For a difference of		There is a difference of	
1°	in Long	4 m.	in Time.
1′	"	4 sec.	"
1″	"	1-15 sec.	
1 hr.	in Time	15°	in Long.
1 m.	"	15′	"
1 sec.	"	15″	"

NOTE. *Add* difference of time for places *east* and subtract it for places *west* of any given place.

How to Ascertain the Difference of Time between Cities.

BASIS OF CALCULATION.

360 degrees=1 revolution of the earth, or 1 day.
1440 minutes=1 revolution of the earth, or 1 day.
1440÷360=4 minutes, or 1 degree.

Refer to your map and notice the difference in degrees of longitude between places. Multiply the number of degrees by 4; the product will be the difference in time.

Degrees of Longitude East, time increases.
Degrees of Longitude West, time decreases.

PROBLEM.

When it is 12 o'clock noon at Washington, what time is it at Boston? Ans. 12:24.

Per map, difference in degrees, 6 east, which increase the time 6 x 4=24 differences in time, or 24 minutes past 12.

Writing Papers, folded.

Name.	Size,	In.
Billet Note	6	x 8
Octavo Note	7	x 9
Commercial Note	8	x 10
Packet Note	9	x 11
Bath Note	8½	x 14

Name	Size,	In.
Letter	10	x 16
Commercial Letter	11	x 17
Packet Post	11½	x 18
Ex. Packet Post	11½	x 18½
Foolscap	12½	x 16

Paper and Books.

24 sheets.....1 quire.	2 reams.....1 bundle.
20 quires.....1 ream.	5 bundles.....1 bale.

Printing Paper.

Used in printing newspapers and books.

Name.	Size, In.	Name.	Size, In.
Medium	19 x 24	Double Medium	24 x 38
Royal	20 x 25	Double Royal	26 x 40
Super Royal	22 x 28	Double Super Royal	28 x 42
Imperial	22 x 32	Double Super Royal	29 x 43
Medium-and-half	24 x 30	Broad Twelves	23 x 41
Small Double Medium	24 x 36	Double Imperial	32 x 46

Writing Papers, Flat Cap.

Name.	Size, In.	Name.	Size, In.
Law Blank	13 x 16	Medium	18 x 23
Flat Cap	14 x 17	Royal	19 x 24
Crown	15 x 19	Super Royal	20 x 28
Demy	16 x 21	Imperial	22 x 30
Folio Post	17 x 22	Elephant	22¼ x 27¾
Check Folio	17 x 24	Columbia	23 x 33¼
Double Cap	17 x 28	Atlas	26 x 33
Ex. Size Folio	19 x 23	Doub. Elephant	26 x 40

Books.

Names and sizes as classified by printers, the number of folds and pages in a single sheet when manufactured.

Name of book.	When a sheet is folded into leaves.	Contain.
Folio	2 leaves	4 pages.
Quarter or 4to	4 "	8 "
Octavo or 8vo	8 "	16 "
Duodecimo or 12 mo	12 "	24 "
16 mo	32 "	64 "
18 mo	18 "	36 "
24 mo	24 "	48 "
32 mo	32 "	64 "

PAINTING RECIPES.

Milk Paint.—For Barns, any Color.—Mix water lime with skim milk to proper consistency to apply with brush, and it is ready for use. It will adhere well to wood, smooth or rough, to brick, mortar or stone, where oil has not been used, and forms a very hard substance, as durable as the best oil paint. Any color may be had by using colors dissolved in whiskey.

White Wash.—Very Nice for Rooms.—Whiting, four pounds; common glue, two ounces; stand glue in cold water over night; mix whiting with cold water; heat glue till dissolved, and pour it hot into the former. Make of consistency to apply with common whitewash brush.

Discount.

10 and 5 off=14½ per cent. off.
15 and 5 off=19¼ per cent. off.
20 and 5 off=24 per cent. off.
20 and 10 off=28 per cent. off.
25 and 5 off=28¾ per cent. off.
25 and 10 off=32½ per cent. off.
25, 10 and 5 off=35⅝ per cent. off.
30 and 5 off=33½ per cent. off.
30 and 10 off=37 per cent. off.
30 and 20 off=44 per cent. off.
30, 10 and 5 off=40⅓ per cent. off.
35 and 5 off=38¼ per cent. off.
35 and 10 off=41½ per cent. off.
35, 10 and 5 off=44⅖ per cent. off.
40 and 5 off=43 per cent. off.
40 and 10 off=46 per cent. off.
40, 10 and 5 off=48 7/10 per cent. off.
45 and 5 off=47¾ per cent. off.
45 and 10 off=51½ per cent. off.
45, 10 and 5 off=53 39/40 per cent. off.
50 and 5 off=52½ per cent. off.
50 and 10 off=55 per cent. off.
50, 10 and 5 off=57¼ per cent. off.
55 and 10 off=59½ per cent. off.
55, 10 and 5 off=61½ per cent. off.
60 and 5 off=62 per cent. off.
60 and 10 off=64 per cent. off.
60, 10 and 5 off=65⅘ per cent. off.
65 and 5 off=66¾ per cent. off.
65 and 10 off=68½ per cent. off.
65, 10 and 5 off=71 13/40 per cent. off.
70 and 5 off=71½ per cent. off.
70 and 10 off=73 per cent. off.
70, 10 and 5 off=74 7/20 per cent. off.

Fractions.

12½ is ⅛ part of 100
25 is ⅔ or ¼ of 100
37½ is ⅜ part of 100
50 is ⅛ or ½ of 100
62½ is ⅝ part of 100
75 is ⅛ or ¾ of 100
87½ is ⅞ part of 100
6¼ is 1/16 part of 100
18¾ is 3/16 part of 100
31¼ is 5/16 part of 100
8⅓ is 1/12 part of 100
16⅔ is 2/12 or ⅙ of 100
33⅓ is 4/12 or ⅓ of 100
66⅔ is 8/12 or ⅔ of 100
83⅓ is 10/12 or ⅚ of 100
125 is ⅛ part of 1000
250 is ⅔ or ¼ of 1000
375 is ⅜ part of 1000
625 is ⅝ part of 1000
875 is ⅞ part of 1000

Percentage.

100 is used as the basis of computation. The sign % is used for the words *per cent.* Thus, 10% of a number equals 10/100, or 1/10 of the number; 50% equals 50/100 or ½, etc.

Fractional Equivalents.

50 %=.50 = ½
33⅓%=.33⅓= ⅓
25 %=.25 = ¼
20 %=.20 = ⅕
16⅔%=.16⅔= ⅙
12½%=.12½= ⅛
10 %=.10 =1/10
8⅓%=.08⅓=1/12
6¼%=.06¼=1/16
5 %=.05 =1/20
3⅓%=.03⅓=1/30
2½%=.02½=1/40
37½%=.37½= ⅜
62½%=.62½= ⅝
75 %=.75 = ¾
87½%=.87½= ⅞
18¾%=.18¾=3/16
31¼%=.31¼=5/16
66⅔%=.66⅔= ⅔
83⅓%=.83⅓= ⅚

Measurement of Wood.

NOTE.—A pile of wood that is 8 feet long, 4 feet high, and 4 feet wide, contains 128 cubic feet, or a cord, and every cord contains 8 *cord-feet*; and as 8 is 1-16 of 128, every *cord-foot* contains 16 cubic feet; therefore, dividing the cubic feet in a pile of wood by 16, the quotient is the cord-feet; and if cord-feet be divided by 8, the quotient is cords.

Wood is bought and sold by the cord. The length of a cord is 8 feet, the height 4 feet, and the width anything that may be agreed upon by the buyer and seller. It is an error to suppose that a cord should always contain 128 cubic feet, as, for instance, cooking-stove wood is seldom over 20 inches in width when corded, but the width is counted the same as if it were 4 feet.

Table of Transposed Numbers.

DIFFERENCES.									
9	10	21	32	43	54	65	76	87	98
	01	12	23	34	45	56	67	78	89
18	20	31	42	53	64	75	86	97	
	02	13	24	35	46	57	68	79	
27	30	41	52	63	74	85	96		
	03	14	25	36	47	58	69		
36	40	51	62	73	84	95			
	04	15	26	37	48	59			
45	50	61	72	83	94				
	05	16	27	38	49				
54	60	71	82	93					
	06	17	28	39					
63	70	81	92						
	07	18	29						
72	80	91							
	08	19							
81	90								
	09								
90	100								
	010								
99	100								
	001								

Explanations for Calendar, Page 264

To find number of days from date in one month to any date in any other month.

EXAMPLE.—To find number of days from February 21 to August 3. By referring to page 264, we find August 3 is the..... .....215th day of the year.
We find February 21 is the..... 52d day of the year.

Subtract the earliest date from the later date, and we have 163 days.

From June 24 to September 29.

September 29.... 272d day of the year.
June 24.....175th day of the year.

97 days.

To reduce to months, divide by 30.

30)97(3 months.
90

7 days.

To find for any number of days, count from the left hand margin, thus: 223d day of the year, run down left hand margin to 220, count 3 to the right, or directly opposite 220 in the column for 3. We find Augnst 11 is the 223d day of the year.

A note given May 9, for 100 days, would fall due August 17.

EXAMPLE.—May 9.....129th day of the year.
Note for....100 days.

229th day of the year, or August 17.

CALENDAR.

		1	2	3	4	5	6	7	8	9	10	
	January..	1	2	3	4	5	6	7	8	9	10	**10**
10	"	11	12	13	14	15	16	17	18	19	20	**20**
20	"	21	22	23	24	25	26	27	28	29	30	**30**
30	"	31										
30	Febru'ry		1	2	3	4	5	6	7	8	9	**40**
40	"	10	11	12	13	14	15	16	17	18	19	**50**
50	"	20	21	22	23	24	25	26	27	28		
	March ...										1	**60**
60	"	2	3	4	5	6	7	8	9	10	11	**70**
70	"	12	13	14	15	16	17	18	19	20	21	**80**
80	"	22	23	24	25	26	27	28	29	30	31	**90**
90	April.....	1	2	3	4	5	6	7	8	9	10	**100**
100	"	11	12	13	14	15	16	17	18	19	20	**110**
110	"	21	22	23	24	25	26	27	28	29	30	**120**
120	May	1	2	3	4	5	6	7	8	9	10	**130**
130	"	11	12	13	14	15	16	17	18	19	20	**140**
140	"	21	22	23	24	25	26	27	28	29	30	**150**
150	"	31										
150	June.....		1	2	3	4	5	6	7	8	9	**160**
160	"	10	11	12	13	14	15	16	17	18	19	**170**
170	"	20	21	22	23	24	25	26	27	28	29	**180**
180	"	30										
180	July.....		1	2	3	4	5	6	7	8	9	**190**
190	"	10	11	12	13	14	15	16	17	18	19	**200**
200	"	20	21	22	23	24	25	26	27	28	29	**210**
210	"	30	31									
210	August...			1	2	3	4	5	6	7	8	**220**
220	" ...	9	10	11	12	13	14	15	16	17	18	**230**
230	" ...	19	20	21	22	23	24	25	26	27	28	**240**
240	" ...	29	30	31								
240	Sept.....				1	2	3	4	5	6	7	**250**
250	"	8	9	10	11	12	13	14	15	16	17	**260**
260	"	18	19	20	21	22	23	24	25	26	27	**270**
270	"	28	29	30								
270	October.				1	2	3	4	5	6	7	**280**
280	"	8	9	10	11	12	13	14	15	16	17	**290**
290	"	18	19	20	21	22	23	24	25	26	27	**300**
300	"	28	29	30	31							
300	Nov.....					1	2	3	4	5	6	**310**
310	"	7	8	9	10	11	12	13	14	15	16	**320**
320	"	17	18	19	20	21	22	23	24	25	26	**330**
330	"	27	28	29	30							
330	Dec.....					1	2	3	4	5	6	**340**
340	"	7	8	9	10	11	12	13	14	15	16	**350**
350	"	17	18	19	20	21	22	23	24	25	26	**360**
360	"	27	28	29	30	31						

See explanations on page 263.

SPEED OF CIRCULAR SAWS.

Calculated on a Periphery of 11,000 Feet per Minute.

Diameter of Saws.	Speed of Saws.	Diameter of Saws.	Speed of Saws.
8 inches	4,900 revolutions.	40 inches	990 revolutions.
10 "	4,000 "	42 "	943 "
12 "	3,300 "	44 "	900 "
14 "	2,900 "	46 "	860 "
16 "	2,490 "	48 "	825 "
18 "	2,200 "	50 "	800 "
20 "	2,000 "	52 "	760 "
22 "	1,800 "	54 "	730 "
24 "	1,650 "	56 "	700 "
26 "	1,520 "	60 "	660 "
28 "	1,420 "	62 "	630 "
30 "	1,320 "	64 "	610 "
32 "	1,210 "	68 "	580 "
34 "	1,160 "	70 "	565 "
36 "	1,120 "	72 "	545 "
38 "	1,040 "		

Herschel's Weather Table—For Forteiling the Weather throughout all the Lunations of Each Year, Forever.

This table is the result of many years' actual observation, the whole being constructed on a due consideration of the attraction of the Sun and Moon in their several positions respecting the Earth, and will, by simple inspection, show the observer what kind of weather will most probably follow the entrance of the Moon into any of its quarters.

If the New Moon, First Quarter, Full Moon, or Last Quarter, happens—	In Summer.	In Winter.
Between midnight and 2 o'clock	Fair.	Frost unless wind southwest.
Betw. 2 and 4 morning	Cold and showers.	Snow and stormy.
" 4 " 6 "	Rain.	Rain.
" 6 " 8 "	Wind and rain.	Stormy.
" 8 " 10 "	Changeable.	Cold rain if wind west, snow if E.
" 10 " 12 "	Frequent showers.	Cold and high wind.
" 12 " 2 aftern'n.	Very rainy.	Snow or rain.
" 2 " 4 "	Changeable.	Fair and mild.
" 4 " 6 "	Fair.	Fair.
" 6 " 8 "	Fair if wind northwest	Fair and frosty if wind N. or N.E.
" 8 " 10 "	Rainy if south or S. W.	Rain or snow if south or S. W.
" 10 " midnight.	Fair.	Fair and frosty.

Castor oil has not failed in any case to remove warts, to which it was applied from once to twice a day for two to six weeks. Try it for corns.

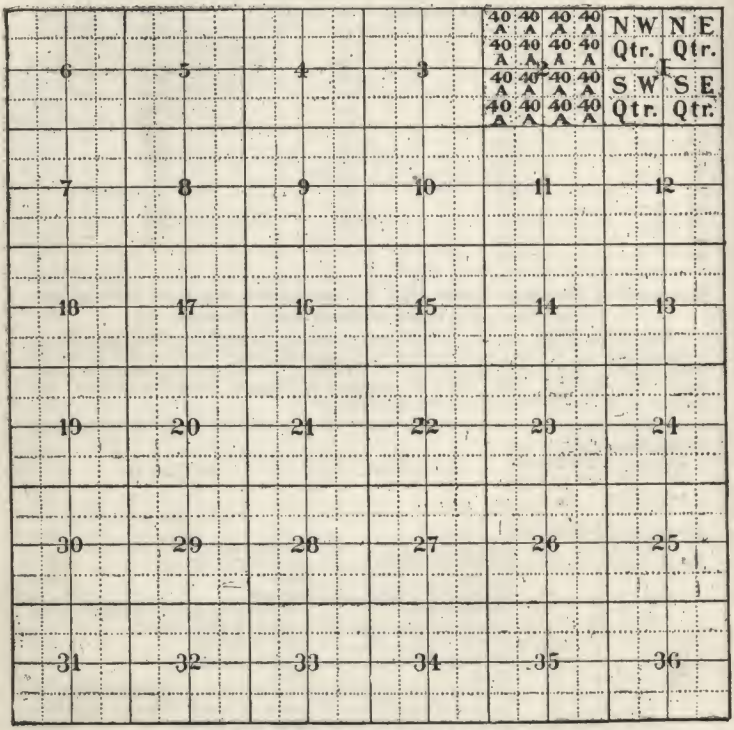
A wine glass of strong borax water in a pint of new starch will make collars and cuffs stiff and glossy.

Too Loosen Glass Stoppers.—Place around the neck of the bottle a thick rag wet with hot water; remove the stopper before the heat reaches and expands it. If sticky, drop a little camphor between neck and stopper.

A Useful Recipe.

A fireproof and waterproof substitute for paint, for use in boiler and engine rooms, consists of six quarts of freshly slacked lime, well sifted, to which is added one quart of rock salt and a gallon of water, the mixture being then well boiled and skimmed clean. To five gallons of this mixture are added a pound of alum, half a pound of copperas (stirred in slowly), three-quarters of a pound of potash, and four quarts of fine sand or hardwood ashes, well sifted. To this may be added any coloring material desired. It is said to be as durable as slate, and to be especially applicable to brickwork and similar surfaces.

DIAGRAM
OF
Township



Covernment Land Measure.

A township—36 sections, each a mile square.

A section—640 acres.

A quarter section, half a mile square—160 acres.

An eighth section, half a mile long, north and south, and a quarter of a mile wide—80 acres.

A sixteenth section, a quarter of a mile square—40 acres.

The sections are all numbered 1 to 36, commencing at the northeast corner, as above.

The sections are all divided into quarters, which are named by the cardinal points, as in section 1. The quarters are divided in the same way. The description of a forty-acre lot would read: The south half of the west half of the south-west quarter of section 1 in township 8, north of range 3 west, or as the case might be; and sometimes will fall short, and sometimes overrun the number of acres it is supposed to contain.

If you measure by rods, divide the product by 160; if by yards divide by 4,840; if by feet, divide by 43,560. Nine square feet make one square yard; 30¼ square yards or 272¼ square feet make one square rod; 160 square rods or 4,840 square yards or 43,560 square feet make one acre. 640 square acres make one square mile.

CAPACITY OF CISTERNS IN GALLONS FOR EACH TEN INCH DEPTH.

Diameter. Feet.	Gallons.	Diameter. Feet.	Gallons	Diameter. Feet.	Gallons.
2.	19.5	6.5	206.8	12	705.
2.5	30.5	7.	239.8	13	827.4
3.	41.6	7.5	275.4	14	959.7
3.5	59.97	8.	313.3	15	1101.6
4.	78.33	8.5	353.7	20	1958.4
4.5	99.14	9.	396.5	25	3059.9
5.	122.4	9.5	461.4	30	4406.4
5.5	148.1	10.	489.6	35	5990.
6.	176.2	11.	592.4	40	7831.

TO REMOVE PUTTY.

To soften old putty on broken windows, dip a small brush in nitro-muriatic acid or caustic soda (concentrated lye), and with it paint over the dry putty that adheres to the broken glass and frames of your windows. After an hour's interval the putty will have become so soft as to be easily removable. Another plan is to rub a piece of hot iron over the putty, when it will come off readily.

PAINTERS' PUTTY.

Use Spanish whiting and boiled linseed oil, using four times the quantity of the former, 80 per cent whiting, and 20 per cent oil. Make it into a stiff paste. If not intended for immediate use raw oil should be used. It requires one pound of putty to stop 20 yards of surface.

CEMENT FOR STOPPING JOINTS, ETC.

White lead in oil mixed with enough white sand to make it a stiff paste. This grows hard by exposure, and resists heat, cold, and water.

CEMENT FOR LEATHER BELTING.

Common glue and American isinglass (not mica), equal parts. Soak for ten hours in sufficient water to cover them. Bring it to a boiling heat and add pine tannin until the whole becomes ropy or appears like the whites of eggs. Apply it warm. Buff the grain off the leather where it is to be cemented, rub the joint surfaces solidly together, let it dry a few hours, and it is ready for use. If properly put together it will not require riveting.

TO REMOVE RUSTY SCREWS.

Apply a red-hot iron to the head of the screw for a short time, then use a screw driver while the screw is still hot.

TO REMOVE RUSTY BOLTS.

The best method is to apply kerosene oil liberally, and give time for it to soften the rust before any attempt is made to turn the nut. If after the rust has softened it does not start easily with the wrench, give it a rap on one corner with a hammer. A hammer and cold chisel rightly used will often start a rusted nut that would not yield to the wrench without twisting off the bolt.

TO DRILL GLASS.

Use a steel drill with camphor and turpentine as a lubricant.

CEMENT FOR MARBLE.

Six parts Portland cement, 3 parts slaked lime, 3 parts fine sand, 1 part infusorial earth. Make into a thick paste with silicate of soda. When set it will form a clean joint. Does not requre heat.

HOW TO PREVENT BOILER SCALES.

Use soda ash, chloride of ammonia or extract of oak bark.

CAPACITY OF BOXES.

Inside Dimensions of Boxes in Inches.

Size of Package.	Long.	Wide.	Deep.
One Barrel	24	17	28
One Bushel	18	15½	8
	13½	13½	11¼
Half Bushel	12	11½	9
	10	10	10¾
One Peck	8⅔	8	8
One Gallon	8	8	4½
Half Gallon	7	7	2¾
One Quart	4	4	4⅕
One Pint	3	3	3⅔

DIFFERENCE BETWEEN A NAUTICAL AND LAND MILE.

In considering the speed of a steamship, it must be remembered that a knot, or nautical mile, is a very different thing from a land mile. A mile is 5,280 feet, while a knot is 6,080 feet and a fraction. Therefore when a vessel makes 23-05 knots an hour, she passes over very nearly 27 land miles.

LENGTH OF THE DAY.

By a simple rule, the length of the day and night, at any time of the year, may be ascertained by simply doubling the time of the sun's rising, which will give the length of the night, and double the time of setting will give the length of the day.

ESTIMATING MEASURES.

A pint of water weighs nearly 1 lb., and is equal to about 27 cubic inches, or a square box 3 inches long, 3 inches wide and 3 inches deep.

A quart of water weighs nearly 2 lbs., and is equal to a square box of about 4x4 inches and 3½ inches deep.

A gallon of water weighs from 8 to 10 lbs., according to the size of the gallon, and is equal to a box 6x6 inches square and 6, 7 or 7½ inches deep.

A cubic foot of water weighs 62½ lbs.

A cubic foot of ice weighs 52 lbs.

ROMAN NUMERALS.

I— 1	XIV—14	XC— 90
II— 2	XV—15	C— 100
III— 3	XVI—16	CL— 150
IV— 4	XVII—17	CC— 200
V— 5	XVIII—18	CCC— 300
VI— 6	XIX—19	CCCC— 400
VII— 7	XX—20	D— 500
VIII— 8	XXX—30	DC— 600
IX— 9	XL—40	DCC— 700
X—10	L—50	DCCC— 800
XI—11	LX—60	DCCCC— 900
XII—12	LXX—70	M—1000
XIII—13	LXXX—80	

TO FIGURE TAPERING TIMBER, ETC.

To find the number of square feet in timber with square ends but tapering from top to bottom. Example:

To find the number of square feet in a square timber, tapering from the bottom to the top on the four sides, top and bottom being square; this rule is very valuable and can easily be remembered:

Example 1: Find the number of square feet in a timber measuring 6 by 6 in. at the top, 12 by 12 in. at the bottom, 20 feet long.

Operation—Square the top 6x6= 36
Square the bottom 12x12=144
Multiply top by bottom 6x12= 72

Add and divide by 3)252

84

Multiply by length in feet 20 feet

The product divide by 12)1680

140 Answer.

Note—If timber is 12 by 12 in. at bottom and 6 by 6 in. at top, contents may be found by multiplying the length by 7.

Example 2: Find the number of square feet in a timber measuring $5\frac{1}{2}$ by $5\frac{1}{2}$ in. at top; $8\frac{1}{2}$ by $8\frac{1}{2}$ in. at bottom, 32 feet long.

Operation—Square the top $5\frac{1}{2}$x$5\frac{1}{2}$= $30\frac{1}{4}$
Square the bottom $8\frac{1}{2}$x$8\frac{1}{2}$= $72\frac{1}{4}$
Multiply top by bottom $5\frac{1}{2}$x$8\frac{1}{2}$= $46\frac{1}{4}$

Add and divide by 3) $149\frac{1}{4}$

$49\frac{3}{4}$

Multiply by length in feet 32 feet

Divide product by 12) 1592

$132\frac{8}{8}$—Answer.

Note—To find the cubic feet, divide products 1680 in example 1 and 1592 in example 2 by 144 instead of by 12.

To find the number of square feet in piece, tapering on two sides only, from top to bottom.

Rule: Take one-half the width of top and one-half the width of bottom, multiply by length and divide by 12.

Example: Find the number of feet in piece 10 inches wide at top and 12 inches wide at bottom.

Width of top..... 5 inches
Width of bottom..... 6 inches

11 inches

Multiply by the length.....12 feet

22
11

Divide by..... 12)132

11 feet the answer.

For thicker than one inch multiply by the thickness desired.

To find piece beveled at ends only.

Rule: Take one-half the length of the two sides, multiply by the width in inches and divide by 12.

Example: Piece 10 feet long one edge and 18 feet the other edge, 10 inches wide. Length of the two sides 28 feet.

One-half the length of two sides..... 2)28

14 ft.

Multiply by the width in inches..... 10

Divide by..... 12)140(11⅔ ft.

12

20

12

8

12

USES FOR A TEN FOOT ROD.

Among the things which are found convenient in every workshop is a 10 foot pole, made thus: A piece of wood 1¼ inch square and 10 feet long, is nicely smoothed with plane and then marked as follows: One side marked every three feet to indicate yards, another side is marked every two feet, the third side is marked every foot, while the fourth side has feet, inches and half inches, the pocket rule will furnish the subdivisions of an inch. This measure will be found useful in many places. For instance, when a small building is being started stakes are set in the ground at each corner, the proper angle of the sills may be found by measuring eight feet on one and six feet on the other. Bring them together until the 10 foot pole just reaches both marks, and a right angle is the result. Again the proper length of post to support low roof is quickly measured with such a pole. If small building is being built the various lengths of the studding, rafters, floor joist, etc., are readily obtained. Many other uses will be suggested when this simple implement is at hand. To obtain the length of rafters, etc., see pages 238, 239 and also page 241.

HOW TO PREVENT PLASTER OF PARIS HARDENING.

To the water with which it is to be mixed add a saturated solution of borax. One part of the solution to 12 of the water will delay the hardening 15 minutes. Equal parts will delay it 10 or 12 hours.

TO PAINT AN OLD HOUSE.

Take three gallons of water and one pint of flaxseed; boil half an hour; take it off and add water enough to make four gallons; let it stand to settle; pour off the water in a pail and put in enough of Spanish white to make it as thick as whitewash; then add one-half pint linseed oil; stir it well and apply with a brush. If the whiting does not mix readily add more water. Flaxseed, having the nature of oil, is better than glue, and will not wash off as readily.

TO KILL KNOTS BEFORE PAINTING.

A mixture of glue size and red lead, shellac dissolved in alcohol and mixed with red lead, or gutta-percha, dissolved in ether, will make a good coating for knots, but will not stand the sunshine, which will draw the pitch through the paint. The best method is to cover the knot with oil size, and lay a leaf of silver over it.

TO KILL GREASE SPOTS BEFORE PAINTING.

Wash over smoky or greasy parts with saltpetre, or very thin whitewash. If soapsuds are used, they must be washed off thoroughly, as they prevent the paint from drying hard.

CEMENT TO FASTEN IRON TO STONE.

Take 10 parts of fine iron filings,
30 parts of plaster of Paris, and
½ part of sal ammoniac;
mix with weak vinegar to a fluid paste and apply at once.

WHAT LOG RUN MEANS.

No. 3 common in certain grades requires at least 50 per cent. of sound cutting and other woods require 50 per cent. of sound cutting only in No. 2 common.

Ash, No. 3 common and better.
Basswood, No. 3 common and better.
Beech, No. 3 common and better.
Birch, No. 3 common and better.
Buckeye, No. 3 common and better.
Butternut, No. 3 common and better.
Cherry, No. 3 common and better.
Chestnut, No. 2 common and better.
Cottonwood, No. 2 common and better.
Elm—Soft, No. 3 common and better.
Elm—Rock, No. 2 common and better.
Gum, No. 2 common and better.
Hickory and pecan, No. 3 common and better.
Hemlock, No. 2 common and better.
Maple, No. 3 common and better.
Maple—Soft, No. 2 common and better.
Oak—Plain, No. 3 common and better.
Oak—Quartered, No. 3 common and better.
Pine, No. 3 common and better.
Poplar, No. 3 common and better.
Sycamore—Plain, No. 3 common and better.
Sycamore—Quartered, No. 3 common and better.
Walnut, No. 3 common and better.

THE WATCH AS A COMPASS.

The points of the compass may be determined with the aid of an ordinary watch. It is simply necessary to bring the watch in a position so that the hour hand is directed toward the sun. The south then lies exactly midway between whatever hour it

may happen to be and the numeral XII on the dial. Let us suppose, for instance, that it is 4 o'clock, and that the time-piece is held in the position indicated. The direction of the numeral II will then be the exact south. If it be 8 o'clock, the numeral X will indicate the exact southerly point.

TO FIND THE COST OF ANY ARTICLE AT ANY PRICE PER TON.

Multiply the weight by half the price per ton and point off three decimals.

THE CIVIL SERVICE METHOD OF ADDITION.

604692	29
427498	49
112482	40
456792	31
234927	17
812347	29
456781	3105019

Each column added separately the results written in their proper place and then added giving the total result.

CONTRACTS AND AGREEMENTS.

"All Contracts and Agreements should be made in writing accurately Specified, Witnessed and dated

Human life is uncertain, one never knows with whom he may have to settle accounts."

A FEW THINGS YOU MAY NEED WHEN YOU BUILD

Floor Sills or Plates, Studding for Walls, Partitions, Rafters, Braces, Staging, Double Corners, Plates, etc., Floor Joist, Ceiling Joist, Bridging, Sheeting or Lining for Walls, Floors, Roof, etc., Flooring, Siding, Ceiling, Wainscoting, Casing, Base, Quarter Round Crown and Bed Moulding, Picture Moulding, Plate Rail, Shingles, Lath, Cornice, Corner Strips, Outside Base, Drip Cap, Window Frames, Door Frames, Doors, Windows, Front, Rear, Attic and Cellar Stairs, Linen Closet, Bed Room Closet, China Closet, Pantry, Bath Room, Toilet Room, Outside Closet, Sheds, Barn, Closet Shelves, etc., Papering, Painting, Decorating, Gas for Light and Heat, Electric Wiring, Cut Out and Meter Boxes, Fire Place, Mantel, Grate, Locks, Butts or Hinges, Turn Buttons, Screw Hooks and Eyes, Coat Hooks, etc., Toilet Fixtures, Kitchen Sink, Sash Lifts, Sash Weights, Sash Cord, Sliding Door Fixtures, Door and Call Bells, Water Lifts, Pumps, Well, Cistern, City Water, Sewer and Drain Pipes, etc., Porch Post or Columns, Front and Rear Porch Flooring, Brackets, Rail, Shoe, Balusters, Lattice, Front, Rear and Upstairs Hall, Stair Newels, Rail, Balusters, Shoe, etc., Chimney, Flue Lining, Stone and Brick Work, Excavating, Cellar and Foundation Walls, Furnace, Furnace Room, Fruit Cellar, Coal and Ash Room, Cement Steps and Walks, Concrete Floors in Basement and Barn, etc., Common, Finishing and Shingle Nails, etc., Tin and Metal Work, Roof Flashing, Chimney Backs, Valleys, Gutters, Down Spouts, etc., Grading Lawn, Sodding or Seeding, Painting, Varnishing, Hard Oil Finish, etc., Roofing and Building Paper, Insulating, Paper Deadening Felts, etc., and then remember that often many extras are needed, especially if plans are changed after building is under way.

CARRYING CAPACITY OF FREIGHT CARS.

28 and 30 ft, cars, minimum 30 to 34,000 lbs., maximum 40 to 50,000 lbs.

32 to 36 ft. cars, minimum 34 to 40,000 lbs., maximum 40 to 100,000 lbs.

Capacity of cars is always marked on the side of car, also the weight of car. If the weight of car (empty) is 35,000 lbs. and capacity of car 60,000 lbs., if loaded to full capacity, total weight would be 95,000 lbs. Minimum weight is aways charged for; over minimum weight at same ratio. About 140,000 dry shingles, 70,000 dry lath, 16,500 feet dry rough pine lumber are the usual loads for 40,000 capacity cars; hardwood lumber, rough, one-third less.

Note.—Lumber from same kinds of wood, often from same section of country will vary from few pounds to one hundred pounds or more, the estimates herein given were furnished by largest manufacturers and shippers in each section of the country, and will be found approximately correct.

The publisher will gladly furnish any further information desired as to weights; can also furnish inspection rules in use in the different sections or states. "See bottom of this page and pages 274 to 276 for estimated lumber weights."

WHEN YOU BUILD.

WOODS OF UNITED STATES.

The strongest wood in the United States is the nutmeg hickory of Arkansas; the weakest is the West Indian birch; the most elastic is the tamarack; the best for fuel is the blue wood of Texas; the hardest and toughest is the hickory; and the softest is the white pine.

ESTIMATED WEIGHTS OF LUMBER.

(Per M feet, Board Measure).

HEMLOCK.

3-inch Plank	3,000 lbs.
4 by 4 and 4 by 6	3,000 lbs.
6 by 6 and 8 by 8	3,000 lbs.
2-inch Piece Stuff, Rough	2,500 lbs.
2-inch Piece Stuff, S1S and E	2,000 lbs.
2-inch Piece Stuff, S1E	2,400 lbs.
2-inch Piece Stuff, S1S	2,200 lbs.
2-inch Piece Stuff, D&M or S4S	2,000 lbs.
3-inch Plank, D&M or S4S	2,500 lbs.
1-inch Boards, Rough	2,400 lbs.
1-inch Boards, S1S or S2S	2,000 lbs.
Shiplap, D&M and Drop Siding	1,800 lbs.
1 by 6 Well Tubing, Beveled Edges	1,800 lbs.
Lath 4 ft.	450 lbs.
Lath 32-inch	300 lbs.
Green Timber	4,500 lbs.
Green 3-inch Plank	4,000 lbs.
Green 2-inch Plank	3,500 lbs.

INDIANA, ILLINOIS, MISSOURI. (Hardwood).

	Green Pounds.	Dry Pounds.
Gum	4,800	3,250
Ash	4,750	3,600
White Oak	5,750	4,200
Hickory	5,500	4,000
Walnut	5,000	3,500
Chestnut	4,800	3,250
Flooring		2,500
Cypress	4,600	3,300
Beech	5,000	4,000
Cherry	5,000	3,500
Poplar	3,800	2,750
Fence Lath	1,750	1,250
Red Oak	5,800	4,000

Estimate on Logs ½ more than Green Lumber of same kind of wood.

Build. Weight Lbr. Weight Iron. C., M. & D Tables 1 to 10 11 to 20 21 to 30 31 to 40 41 to 50 51 to 60 61 to 70 71 to 80 81 to 90 91 to 100 Amount of Flooring.

Estimated Weights of Lumber--Continued.

Tennessee (Central South.)

	Pounds.
Rough Poplar, ¾ inch	1,050
" " ⅞ "	1,400
" " 5/3 "	1,650
" " ⅝ "	2,100
" " ¾ "	2,800
" " 1 "	
Boards and Planks 1 inch and thicker, S 2 S	2,250
¾ inch Panel, Rough	1,050
⅞ " " "	1,400
½ " " "	1,650
5/8 " " "	2,100
¾ " " "	2,100
White Oak	3,800
Red "	3,396
Black Walnut	3,176
White "	2,121
Cherry	3,023
Ash (swamp or black)	3,400
Ash, white	3,000
Black Birch	3,131
Beech	3,741
Maple	3,783
Hickory	3,000

	Pounds.
Pine Shingles	240
Worked Poplar, Beveled Siding	900
Drop or Patent Siding	2,000
⅜ inch Ceiling	900
½ " "	1,200
5/8 " "	1,500
⅝ " "	2,000
⅛ " Panel, Dressed	1,000
½ " " "	1,300
5/8 " " "	1,600
1 inch or ⅞ inch dressed to ¾	2,000
Basswood (Lime)	2,330
Rock Elm	3,613
Norway Pine	2,521
White Pine	2,900
Yellow Pine, short leaf	2,826
" " long leaf	3,800
Cypress	2,800
Redwood	2,185
Gum	3,070
Dry Lath	500
Cedar Shingles	200

Virginia, North Carolina, Georgia.

Pine.	Dry. Pounds.
⅜ inch Ceiling	1,000
¼ " "	1,250
½ " Flooring	2,300
⅝ " "	2,400
⅞ " "	2,500
⅞ " Boards, S 2 S	2,500
1⅛ " " "	2,700
1⅜ " " "	2,800
1⅝ " " "	3,000
1 " Rough	3,100
1¼ " "	3,200

Pine.	Dry. Pounds.
1½ inch, Rough	3,400
2 " "	3,500
1 " Cypress, Rough	2,500
1¼ " " "	2,700
1½ " " "	3,000
2 " " "	3,200
Ga. Pine Timber, Rough, Green	4,300
N. C. " " "	4,200
All width Boards, S 2 S	2,750
Bevel Siding	1,000

Washington and Pacific Coast.

	Pounds.
1 inch Fir, Rough	2,200
1 " Cedar, Rough	2,300
1 " " Finished	2,000
Lath	700

	Pounds.
1 inch Pine, Rough	2,200
1 " Fir, Flooring	2,000
1 " " Finish	2,200
A Shingles	200

Texas Pine.

	Dry. Pounds.
Flooring, 13-16x4	2,100
" 13-16x6	2,300
Ceiling, ⅜ inch	1,000
" ½ "	1,300
" 5/8 "	1,600
" ¾ "	2,000
Bev. Siding from inch stock	1,000
" " " 1¼ inch stock	1,500
Drop " " 1 inch stock	2,000
Moulded Casings	2,000
Moulded Base	2,300
Finishing, S 1 S or S 2 S	2,800
Common Boards and Fencing, S 1 S	2,800
Common Boards and Fencing, rough	3,200
2x4, 2x6 and 2x8, S 1 S and 1 E, to 1¾	2,600
2x4, 2x6 and 2x8, rough	3,200

	Dry. Pounds.
2x10 and 2x12, S 1 S and 1 E, to 1¾	2,800
2x10 and 2x12, rough	3,400
4x4 and 4x6, S 1 S & 1 E	3,000
4x4 and 4x6, rough	4,000
6x6, 6x8 and 8x8, S 1 S and 1 E	3,800
6x6, 6x8 and 8x8, rough	4,000
8x10 and over, rough	4,000
Flat Dressed and Headed Pickets, Mixed	2,000
Flat Dressed and Headed Pickets, Heart	2,500
Flat Rough Headed Pickets, Heart and Mixed	3,000
Square Pickets, from 1¼ x 1¼, Mixed	2,500
Square Pickets, from 1¼ x 1¼, Heart	2,800

Estimated Weights of Lumber--Continued.

New York and Eastern States.

	Air Dried. Pounds.	Kiln Dried. Pounds.
Ash	3,500	2,800
Basswood	2,300	2,125
Cherry	3,500	3,000
Chestnut	2,854	2,250
White Oak	4,500	4,000
Red Oak	3,500	3,000
Birch	3,500	3,000
Maple	4,200	3,500
Cherry	3,500	3,000
Cottonwood	3,000	2,750
Cypress	3,000	2,500
Elm	3,000	2,750
Hickory	4,500	4,000
Mahogany	4,500	3,750
Pitch Pine	4,000	3,750
Poplar	2,750	....
Sycamore	4,000	3,600
Walnut	3,500	3,250

Michigan, Minnesota and Wisconsin. (Hardwoods.)

	Green. Pounds.	Dry. Pounds.
Ash	4,500	3,500
Beech	5,000	4,500
Birch	4,500	3,500
Bass	3,500	2,500
Hemlock	3,900	3,250
Chestnut	4,000	3,000
Cherry	4,500	3,200
Butternut	3,750	3,200
Cedar	4,000	3,000
Hickory	5,000	4,500
Maple	5,000	4,500
Maple, Soft	4,000	3,200
Mahogany	5,250	4,500
Oak	5,000	4,000
Poplar	3,250	2,250
Walnut	4,500	3,200
Hemlock	4,000	2,800

Michigan, Minnesota and Wisconsin.

White Pine.	Dry. Pounds.	Green. Pounds.
Timber, Rough	2,500	3,250
Lumber, "	2,400	3,000
" Dressed	2,000	2,500
" D. & M.	1,800	2,400
Battens, O. G	1,500	1,900
Siding & ⅜ Ceiling	800	1,250
Shingles	250	450
Lath	500	950

Norway Pine.	Green. Pounds.	Dry. Pounds.
Timber, Rough	3,500	2,750
Lumber, Rough	3,250	2,650
" Dressed	2,900	2,300
" D. & M.	2,600	2,000
Cedar	2,500	2,000
" Shingles	800	200

California.

Redwood.	Pounds.
2½ in. to 8 in. thick, rough	3,200
2½ " " " " S 1 S	3,000
2½ " " " " S 2 S	2,800
1½ " " 2 " " rough	2,500
1 " " " " S 1 S	2,200
1 " " " " S 2 S	2,000
¾ " surface one or two sides	1,000
½ " " " " " "	1,300
⅝ " " " " " "	1,600
⅞ " " " " " "	1,900
2x3 to 4x4, rough	3,000
2x3 to 4x4, S 4 S	2,500
4x6 to 6x8, rough	3,200
4x6 to 6x8, S 4 S	2 750
8x8 to 12x12, rough	3,500
8x8 to 12x12, S 4 S	3 200
Mouldings, casings 1x3 to 1x6	1,500
" " 1x8 to 1x12	1,800
White Cedar, 1 to 2 in., rough	3,000
" " 3 to 6 " "	3,500
Corner Blocks	65
Head and Base Blocks	150
Common Boards, rough	2,500

Redwood.	Pounds
Common Boards, S 1 S to ⅞	2,200
Fence Post, 4x4 to 4x5, each	35
Flooring, Casing or Ceiling	1,800
Bevel Siding or ⅝ in. Ceiling	800
½ in. Ceiling	1,000
⅝ " "	1,200
Rustic German Novelty or O. G. Siding	1,800
1x3 4-ft. Pickets, S 4 S & Headed	2,000
1x3 3-ft. " " "	1,500
1⅜x1⅜, 3-ft	1,300
" " 3½-ft	1,500
" " 4-ft	1,700
⅜x3 Battens	1,000
1x3 "	1,800
Eave Gutter, ¾ lineal feet	90
" " 4-4 " "	130
" " 7-6 " "	170
" " 6-6 " "	250
Lattice, 31-16x1¼ " "	82
" 31-16x1⅜ " "	100
" 31-16x1¾ " "	150

Weight Iron.

C., M. & D Tables

1 to 10

11 to 20

21 to 30

31 to 40

41 to 50

51 to 60

61 to 70

71 to 80

81 to 90

91 to 100

Amount of Flooring.

ESTIMATED WEIGHTS OF LUMBER CONTINUED.

YELLOW PINE.
Long Leaf Pine District.

DRY.

Flooring, 13/16 x2¼	2000
Flooring, 13/16 x3¼	2200
Flooring, 13/16 x5¼	2400
Ceiling, ⅜	1000
Ceiling, ½	1200
Ceiling, ⅝	1500
Ceiling, ¾	1800

For Hollow Back Flooring, Ceiling, and Drop Siding, deduct 100 lbs.

Partition, ¾	1900
Siding, from inch stock	1100
Siding, from 1¼ in. stock	1400
Drop Siding to ¾	1900
Moulded Casing, 4½ to 5¼	2000
Moulded Base, from 8, 10, 12 in. stock	2100
Finish, inch, S 1 S or S 2 S to 13/16	2600
Finish, 1¼, 1½ and 2 in., S 1 S or S 2 S to Standard Thickness	2800
Finish, 1, 1¼, 1½ and 2 in., rough	3400

SHIPPING DRY.

Shiplap and D & M 13/16	2500
Grooved Roofing ⅞	2600
Com. Boards and Fencing, 1x4, 6, 8 or 10 in., S 1 S or 2 S to 13/16	2700
Com. Boards, 1x12 S 1 S or 2 S to 13/16	2800
Com. Boards and Fencing, 1x4, 6, 8 or 10 in., rough	3400
Com. Boards, 1x12, rough	3500
2x4, 2x6 and 2x8, S 1 S 1 E to 1⅝	2700
2x4, 2x6 and 2x8, rough	3400
2x10 and 2x12, S 1 S 1 E to 1⅝	2800
2x10 and 2x12, rough	3500

GREEN.

2x14 and 3x12, S 1 S 1 E	3800
2x14 and 3x12, rough	4500
4x4 and 6x6, S 1 S 1 E	3800
4x4 and 6x6, rough	4500
6x8 and over, rough	4500
6x8 and over, S 4 S	3800

Plastering, Lath, dry	550
Patent Lath, dry	1800

YELLOW PINE.
Short Leaf Pine District.

DRY.

Flooring, 13/16 x2¼	1800
Flooring, 13/16 x3¼	2000
Flooring, 13/16 x5¼	2200
Ceiling, ⅜	900
Ceiling, ½	1100
Ceiling, ⅝	1400
Ceiling, ¾	1700

For Hollow Back Flooring, Ceiling, and Drop Siding, deduct 100 lbs.

Partiton, ¾	1800
Siding, from inch stock	1000
Siding, from 1¼ in. stock	1250
Drop Siding, ¾ and Moulded Casing	1800
Moulded Base	2000
Finish, inch, S 1 S or S 2 S	2500
Finish, 1¼, 1½ and 2 inch. S 1 S or S 2 S	2700
Finish, 1, 1¼, 1½ and 2 in. rough	3200

SHIPPING DRY.

Shiplap and D & M	2300
Grooved Roofing	2400
Com. Boards and Fencing 1x4, 6, 8, 10 in., S 1 S or 2 S to 13/16	2590
Com. Boards, 1x12, S 1 S or 2 S to 13/16	2600
Com. Boards and Fencing, 1x4, 6, 8, 10 in., rough	3300
Com. Boards, 1x12, rough	3400
2x4, 2x6 and 2x8, S 1 S 1 E to 1⅝	2500
2x4, 2x6 and 2x8 rough	3300
2x10 and 2x12, S 1 S 1 E to 1⅝	2600
2x10 and 2x12, rough	3300

GREEN.

2x14 and 3x12, S 1 S 1 E	3500
2x14 and 3x12, rough	4200
3x4 and 6x6, S 1 S 1 E	3500
4x4 and 6x8, rough	4200
8x8 and over, rough	4200

Plastering Lath, dry	500
Patent Lath, dry	1650

ESTIMATED WEIGHTS OF BAR IRON AND STEEL.

WEIGHT OF FLAT IRON. PER FOOT.

Width, Inches.	Thickness, Inches.	Weight in Pounds.	Width, Inches.	Thickness, Inches.	Weight in Pounds.	Width, Inches.	Thickness, Inches.	Weight in Pounds.	Width, Inches.	Thickness, Inches.	Weight in Pounds.	Width, Inches.	Thickness, Inches.	Weight in Pounds.	Width, Inches.	Thickness, Inches.	Weight in Pounds.
	1/8	0.316		1/4	1.161		5/8	4.224		1/2	4.647		1 3/8	15.102		1 1/4	16.897
	1/4	0.633		3/8	1.742		3/4	5 069		5/8	5.808	3 1/4	1 1/2	16.475		1 1/2	20.277
3/4	3/8	0 050	1 3/8	1/2	2.325		7/8	5.914		3/4	6.970		1/8	1.479	4	1 3/4	23 656
	1/2	1.265		5/8	2 904	2	1	6.758		7/8	8.132		1/4	2.957		2	27.030
	5/8	1.584		3/4	3.484		1 1/8	7.604	2 3/4	1	9.294		3/8	4.436		1/4	3.802
	1/8	0.369		1/8	0.033		1 1/4	8.448		1 1/8	10.455		1/2	5.914		1/2	7.604
	1/4	0.738		1/4	1.266		1/8	0.950		1 1/4	11.617		5/8	7.393		3/4	11.406
	3/8	1.108		3/8	1.900		1/4	1.900		1 3/8	12.779		3/4	8.871		1	15.208
7/8	1/2	1.477	1 1/2	1/2	2.535		3/8	2.851		1 1/2	13.940	3 1/2	7/8	10.350	4 1/2	1 1/4	19.010
	5/8	1 846		5/8	3.168		1/2	3.802		1/8	1.267		1	11.828		1 1/2	22.812
	3/4	2.217		3/4	3.802	2 1/4	5/8	4.752		1/4	2.535		1 1/8	13.307		1 3/4	26.614
	1/8	0.422		7/8	4.435		3/4	5.703		3/8	3.802		1 1/4	14.785		2	30.415
	1/4	0 845	1		5.068		7/8	6.653		1/2	5.069		1 3/8	16.204		1/4	4.224
	3/8	1.267		1/8	0 686	1		7.604		5/8	6.337		1 1/2	17.742		1/2	8.449
1	1/2	1.690		1/4	1.372	1 1/8		8.554		3/4	7.604		1/8	1.584		3/4	12.673
	5/8	2 112		3/8	2.059	1 1/4		9.505	3	7/8	8.871		1/4	3.168	5	1	16.897
	3/4	2.534	1 3/8	1/2	2.746		1/8	1.056		1	10.138		3/8	4.752		1 1/4	21.122
	7/8	2.956		5/8	3.432		1/4	2.112		1 1/8	11.406		1/2	6.336		1 1/2	25.346
	1/8	0.475		3/4	4.119		3/8	3.168		1 1/4	12.673		5/8	7.921		1 3/4	29.570
	1/4	0.950		1/8	0.739		1/2	4.224		1 3/8	13.940		3/4	9.505		2	33.795
1 1/8	3/8	1.425		1/4	1.479		5/8	5.280		1 1/2	15.208	3 3/4	7/8	11.080		1/4	5.070
	1/2	1.901		3/8	2.218	2 1/2	3/4	6.336		1/8	1.373		1	12.673		3/8	7.604
	5/8	2 375	1 3/4	1/2	2.957		7/8	7.392		1/4	2.746		1 1/8	14.257		1/2	10.138
	3/4	2.850		5/8	3.696	1		8.448		3/8	4.118		1 1/4	15.841		5/8	12.674
	1/8	0.528		3/4	4.435	1 1/8		9.504		1/2	5.492		1 3/8	17.425		3/4	15.208
	1/4	1.056		7/8	5.178	1 1/4		10.560	3 1/4	5/8	6.855		1 1/2	19.009	6	7/8	17.742
	3/8	1.584	1		5.914	1 3/8		11.616		3/4	8.237		1/8	1.690		1	20.276
1 1/4	1/2	2.112		1/8	0.845	1 1/2		12.672		7/8	9.610		1/4	3.380		1 1/4	25.346
	5/8	2 640	2	1/4	1 689		1/8	1.162		1	10.983	4	1/2	6.759		1 1/2	30.416
	3/4	3.168		3/8	2.534	2 3/4	1/4	2.323		1 1/8	12.356		3/4	10.138		1 3/4	35.484
1 3/8	1/8	0.580		1/2	3.379		3/8	3.485		1 1/4	13.730		1	13.518		2	40.554

Weight Iron. C., M. & D Tables	Amount of Flooring.
1 to 10	
11 to 20	
21 to 30	
31 to 40	
41 to 50	
51 to 60	
61 to 70	
71 to 80	
81 to 90	
91 to 100	

WEIGHT OF SQUARE IRON, PER FOOT.

In.	Lbs.	In.	Lbs.	In.	Lbs.	In.	Lbs.	In.	Lbs.
¼	.21	1	3.33	1 11/16	9.50	2¾	25.20	4⅛	56.71
5/16	.32	1 1/16	3.76	1¾	10.20	2⅞	27.55	4¼	60.20
⅜	.47	1⅛	4.21	1 13/16	10.69	3	30.00	4⅜	63.80
7/16	.64	1 3/16	4.70	1⅞	11.71	3⅛	32.55	4½	67.50
½	.83	1¼	5.20	1 15/16	12.52	3¼	35.20	4⅝	71.30
9/16	1.05	1 5/16	5.74	2	13.33	3⅜	37.96	4¾	75.20
⅝	1.30	1⅜	6.30	2⅛	15.05	3½	40.80	4⅞	79.21
11/16	1.57	1 7/16	6.88	2¼	16.87	3⅝	43.80	5	83.33
¾	1.87	1½	7.50	2⅜	18.80	3¾	46.87	5½	101.68
13/16	2.20	1 9/16	8.15	2½	20.80	3⅞	50.05	6	121.00
⅞	2.55	1⅝	8.80	2⅝	22.96	4	53.33	7	164.70
15/16	2.92								

WEIGHT OF ANGLE IRON, PER FOOT.

Size.	Weight.	Size.	Weight.	Size.	Weight.
1¼ in.	1¼ to 1½ lbs.	2¼ in.	4½ to 6 lbs.	3 in.	7¼ to 9 lbs.
1½ "	1½ " 2 "	2½ "	5 " 7 "	3½ "	8½ " 12 "
1¾ "	2 " 3¾ "	2¾ "	6½ " 8½ "	4 "	12 " 15 "
2 "	3 " 4½ "				

WEIGHT OF FLAT STEEL, PER FOOT.

Thickness.	Width. 1	1⅛	1¼	1⅜	1½	1¾	2	2¼	2½
¼	.852	.985	1.06	1.17	1.27	1.49	1.70	1.91	2.13
⅜	1.27	1.43	1.59	1.75	1.91	2.23	2.55	2.87	3.20
½	1.80	1.91	2.13	2.34	2.55	2.98	3.40	3.83	4.26
⅝	2.13	2.39	2.66	2.92	3.19	3.72	4.26	4.79	5.12
¾	2.54	2.86	3.18	3.50	3.82	4.46	5.10	5.74	6.40
⅞	2.89	3.34	3.72	4.09	4.46	5.21	5.96	6.70	7.46
1	2.40	3.82	4.26	4.68	5.10	5.96	6.80	7.66	8.52

WEIGHT OF ROUND IRON, PER FOOT.

In.	Lbs.	In.	Lbs.	In.	Lbs.	In.	Lbs.	In.	Lbs.
¼	.10	1	2.61	1 11/16	7.46	2¾	19.79	4⅛	44.54
5/16	.26	1 1/16	2.95	1¾	8.01	2⅞	21.63	4¼	47.28
⅜	.37	1⅛	3.31	1 13/16	8.60	3	23.56	4⅜	50.11
7/16	.50	1 3/16	3.69	1⅞	9.20	3⅛	25.56	4½	53.01
½	.65	1¼	4.09	1 15/16	9.83	3¼	27.65	4⅝	56 00
9/16	.83	1 5/16	4.51	2	10.47	3⅜	29.82	4¾	59.06
⅝	1.02	1⅜	4.95	2⅛	11.82	3½	32.07	4⅞	62.21
11/16	1.23	1 7/16	5.40	2¼	13 25	3⅝	34.40	5	65.45
¾	1.47	1½	5.89	2⅜	14.76	3¾	36.81	5½	79.85
13/16	1.72	1 9/16	6.40	2½	16 36	3⅞	39.31	6	95.03
⅞	2.00	1⅝	6.91	2⅝	18.03	4	41.88	7	129.35
15/16	2.30								

WEIGHT OF SQUARE STEEL, PER FOOT.

Inches....	¼	⅜	½	⅝	¾	⅞	1	1⅛
Pounds....	.213	.479	.855	1.33	1.91	2.61	3.40	4.34
Inches....	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2⅛
Pounds....	5.32	6.44	7.77	9.00	10.34	11.98	13.63	15.80
Inches.....	2¼	2⅜	2½	2⅝	2¾	2⅞	3	
Pounds	17.20	19.17	21.21	23.41	25.70	28.10	30.00	

WEIGHT OF ROUND STEEL, PER FOOT.

Inches....	¼	⅜	½	⅝	¾	⅞	1	1⅛
Pounds....	.167	.376	.669	1.04	1.50	2.05	2.67	3.38
Inches....	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2⅛
Pounds....	4.18	5.06	6.02	7.07	8.20	9.41	10.71	12.05
Inches	2¼	2⅜	2½	2⅝	2¾	2⅞	3	
Pounds	13.51	15.05	16.68	18.39	20.18	22.06	24.23	

LUMBER AND COST TABLES.

Multiplication, Division, Etc.

EXPLANATION.

Suppose you wish to find the cost of

37 bushels of oats

at 33c per bushel,

111

111

$12.21

See page 286, run down margin figures to 33, then under 37, top margin, you find $12.21, the correct answer.

Again, suppose you wish to find the cost of 59 ft. of lumber at $16.00 per thousand feet, see page 283, run down side margin to 59, then undar 16, top margin, you find 9.44; remove point one place to left for $16.00, and you have .944, the answer.

NOTE—When you wish to find the cost of greater number of feet, add cipher to the number of feet and remove decimal point one place to right, thus:

59	ft. at $16.00 per thousand,	$	.944
590	ft. "	"	9.44
5900	ft. "	"	94.40

How many feet of rough boards will it take to cover floor 19x22? See page 284, 19 times 24=456 feet. 32x64? See page 287, 32 times 64=2048 feet. How many feet for roof of building 22x26 feet 14 feet high? First find the distance around the building; two ends would be 44 feet,

two sides would be 52 feet,

96 feet the total distance around the building for 14 feet high; see page 283, 14 times 96=1344 feet. You can talk with your customer and at same time tell them amount of feet, etc., required for any building. Any table in the Buyer and Seller that is of the required length, etc., may be used. Example: Suppose you wish to find the amount for porch floor 5⅛x32 feet, see page 31; 32 times 5⅛ 170⅝ feet, the amount required. (Note, to this must be added the waste for dressing and matching). When using the tables pages 280 to 300 for multiplication, division, etc., pay no attention to the decimal point (.) as this is used only when figuring cost. For complete cost tables from .25 per thousand to $100.00 per thousand, see Baughman's Cost Book. See other explanations page 300; see also pages 2 and 3.

C., M. & D Tables
1 to 10
11 to 20
21 to 30
31 to 40
41 to 50
51 to 60
61 to 70
71 to 80
81 to 90
91 to 100
Amount of Flooring.

Lumber and Cost Tables—Multiplication, Division, Etc.

	.01	.02	.03	.04	.05	.06	.07	.08	.09	.10	
1	.01	.02	.03	.04	.05	.06	.07	.08	.09	.10	**1**
2	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	**2**
3	.03	.06	.09	.12	.15	.18	.21	.24	.27	.30	**3**
4	.04	.08	.12	.16	.20	.24	.28	.32	.36	.40	**4**
5	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	**5**
6	.06	.12	.18	.24	.30	.36	.42	.48	.54	.60	**6**
7	.07	.14	.21	.28	.35	.42	.49	.56	.63	.70	**7**
8	.08	.16	.24	.32	.40	.48	.56	.64	.72	.80	**8**
9	.09	.18	.27	.36	.45	.54	.63	.72	.81	.90	**9**
10	.10	.20	.30	.40	.50	.60	.70	.80	.90	1.00	**10**
11	.11	.22	.33	.44	.55	.66	.77	.88	.99	1.10	**11**
12	.12	.24	.36	.48	.60	.72	.84	.96	1.08	1.20	**12**
13	.13	.26	.39	.52	.65	.78	.91	1.04	1.17	1.30	**13**
14	.14	.28	.42	.56	.70	.84	.98	1.12	1.26	1.40	**14**
15	.15	.30	.45	.60	.75	.90	1.05	1.20	1.35	1.50	**15**
16	.16	.32	.48	.64	.80	.96	1.12	1.28	1.44	1.60	**16**
17	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.53	1.70	**17**
18	.18	.36	.54	.72	.90	1.08	1.26	1.44	1.62	1.80	**18**
19	.19	.38	.57	.76	.95	1.14	1.33	1.52	1.71	1.90	**19**
20	.20	.40	.60	.80	1.00	1.20	1.40	1.60	1.80	2.00	**20**
21	.21	.42	.63	.84	1.05	1.26	1.47	1.68	1.89	2.10	**21**
22	.22	.44	.66	.88	1.10	1.32	1.54	1.76	1.98	2.20	**22**
23	.23	.46	.69	.92	1.15	1.38	1.61	1.84	2.07	2.30	**23**
24	.24	.48	.72	.96	1.20	1.44	1.68	1.92	2.16	2.40	**24**
25	.25	.50	.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	**25**
26	.26	.52	.78	1.04	1.30	1.56	1.82	2.08	2.34	2.60	**26**
27	.27	.54	.81	1.08	1.35	1.62	1.89	2.16	2.43	2.70	**27**
28	.28	.56	.84	1.12	1.40	1.68	1.96	2.24	2.52	2.80	**28**
29	.29	.58	.87	1.16	1.45	1.74	2.03	2.32	2.61	2.90	**29**
30	.30	.60	.90	1.20	1.50	1.80	2.10	2.40	2.70	3.00	**30**
31	.31	.62	.93	1.24	1.55	1.86	2.17	2.48	2.79	3.10	**31**
32	.32	.64	.96	1.28	1.60	1.92	2.24	2.56	2.88	3.20	**32**
33	.33	.66	.99	1.32	1.65	1.98	2.31	2.64	2.97	3.30	**33**
34	.34	.68	1.02	1.36	1.70	2.04	2.38	2.72	3.06	3.40	**34**
35	.35	.70	1.05	1.40	1.75	2.10	2.45	2.80	3.15	3.50	**35**
36	.36	.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24	3.60	**36**
37	.37	.74	1.11	1.48	1.85	2.22	2.59	2.96	3.33	3.70	**37**
38	.38	.76	1.14	1.52	1.90	2.28	2.66	3.04	3.42	3.80	**38**
39	.39	.78	1.17	1.56	1.95	2.34	2.73	3.12	3.51	3.90	**39**
40	.40	.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60	4.00	**40**
41	.41	.82	1.23	1.64	2.05	2.46	2.87	3.28	3.69	4.10	**41**
42	.42	.84	1.26	1.68	2.10	2.52	2.94	3.36	3.78	4.20	**42**
43	.43	.86	1.29	1.72	2.15	2.58	3.01	3.44	3.87	4.30	**43**
44	.44	.88	1.32	1.76	2.20	2.64	3.08	3.52	3.96	4.40	**44**
45	.45	.90	1.35	1.80	2.25	2.70	3.15	3.60	4.05	4.50	**45**
46	.46	.92	1.38	1.84	2.30	2.76	3.22	3.68	4.14	4.60	**46**
47	.47	.94	1.41	1.88	2.35	2.82	3.29	3.76	4.23	4.70	**47**
48	.48	.96	1.44	1.92	2.40	2.88	3.36	3.84	4.32	4.80	**48**
49	.49	.98	1.47	1.96	2.45	2.94	3.43	3.92	4.41	4.90	**49**
50	.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	**50**

See explanation pages 279—300.

Lumber and Cost Tables—Multiplication, Division, Etc.

	.01	.02	.03	.04	.05	.06	.07	.08	.09	.10	
51	.51	1.02	1.53	2.04	2.55	3.06	3.57	4.08	4.59	5.10	**51**
52	.52	1.04	1.56	2.08	2.60	3.12	3.64	4.16	4.68	5.20	**52**
53	.53	1.06	1.59	2.12	2.65	3.18	3.71	4.24	4.77	5.30	**53**
54	.54	1.08	1.62	2.16	2.70	3.24	3.78	4.32	4.86	5.40	**54**
55	.55	1.10	1.65	2.20	2.75	3.30	3.85	4.40	4.95	5.50	**55**
56	.56	1.12	1.68	2.24	2.80	3.36	3.92	4.48	5.04	5.60	**56**
57	.57	1.14	1.71	2.28	2.85	3.42	3.99	4.56	5.13	5.70	**57**
58	.58	1.16	1.74	2.32	2.90	3.48	4.06	4.64	5.22	5.80	**58**
59	.59	1.18	1.77	2.36	2.95	3.54	4.13	4.72	5.31	5.90	**59**
60	.60	1.20	1.80	2.40	3.00	3.60	4.20	4.80	5.40	6.00	**60**
61	.61	1.22	1.83	2.44	3.05	3.66	4.27	4.88	5.49	6.10	**61**
62	.62	1.24	1.86	2.48	3.10	3.72	4.34	4.96	5.58	6.20	**62**
63	.63	1.26	1.89	2.52	3.15	3.78	4.41	5.04	5.67	6.30	**63**
64	.64	1.28	1.92	2.56	3.20	3.84	4.48	5.12	5.76	6.40	**64**
65	.65	1.30	1.95	2.60	3.25	3.90	4.55	5.20	5.85	6.50	**65**
66	.66	1.32	1.98	2.64	3.30	3.96	4.62	5 28	5.94	6.60	**66**
67	.67	1.34	2.01	2.68	3.35	4.02	4.69	5.36	6.03	6.70	**67**
68	.68	1.36	2.04	2.72	3 40	4.08	4.76	5.44	6.12	6.80	**68**
69	.69	1.38	2.07	2.76	3.45	4.14	4.83	5.52	6.21	6.90	**69**
70	.70	1.40	2 10	2.80	3.50	4.20	4.90	5.60	6.30	7.00	**70**
71	.71	1.42	2.13	2.84	3.55	4.26	4.97	5.68	6.39	7.10	**71**
72	.72	1.44	2.16	2.88	3.60	4.32	5.04	5.76	6.48	7.20	**72**
73	.73	1.46	2.19	2.92	3.65	4.38	5.11	5.84	6.57	7.30	**73**
74	.74	1.48	2.22	2.96	3.70	4.44	5.18	5.92	6.66	7.40	**74**
75	.75	1.50	2.25	3.00	3.75	4.50	5.25	6.00	6.75	7.50	**75**
76	.76	1.52	2 28	3.04	3.80	4.56	5.32	6.08	6.84	7.60	**76**
77	.77	1.54	2.31	3.08	3.85	4.62	5.39	6.16	6.93	7.70	**77**
78	.78	1.56	2.34	3.12	3.90	4.68	5.46	6.24	7.02	7.80	**78**
79	.79	1.58	2.37	3.16	3.95	4.74	5.53	6.32	7.11	7.90	**79**
80	.80	1.60	2.40	3.20	4.00	4.80	5.60	6.40	7.20	8.00	**80**
81	.81	1.62	2.43	3.24	4.05	4.86	5.67	6.48	7.29	8.10	**81**
82	.82	1.64	2.46	3.28	4.10	4.92	5.74	6.56	7.38	8.20	**82**
83	.83	1.66	2.49	3.32	4.15	4.98	5.81	6.64	7.47	8.30	**83**
84	.84	1.68	2.52	3.36	4.20	5.04	5.88	6.72	7.56	8.40	**84**
85	.85	1.70	2.55	3.40	4.25	5.10	5.95	6.80	7.65	8.50	**85**
86	.86	1.72	2.58	3.44	4.30	5.16	6.02	6.88	7.74	8.60	**86**
87	.87	1.74	2.61	3.48	4.35	5.22	6.09	6.96	7.83	8.70	**87**
88	.88	1.76	2.64	3.52	4.40	5.28	6.16	7.04	7.92	8.80	**88**
89	.89	1.78	2.67	3.56	4.45	5.34	6 23	7.12	8.01	8.90	**89**
90	.90	1.80	2.70	3.60	4.50	5.40	6.30	7.20	8.10	9.00	**90**
91	.91	1.82	2.73	3.64	4.55	5.46	6.37	7.28	8.19	9.10	**91**
92	.92	1.84	2.76	3.68	4.60	5.52	6.44	7.36	8 28	9.20	**92**
93	.93	1.86	2.79	3.72	4.65	5.58	6.51	7.44	8.37	9.30	**93**
94	.94	1.88	2.82	3.76	4.70	5.64	6.58	7.52	8.46	9.40	**94**
95	.95	1.90	2.85	3.80	4.75	5.70	6.65	7.60	8.55	9.50	**95**
96	.96	1.92	2.88	3.84	4.80	5.76	6.72	7.68	8.64	9.60	**96**
97	.97	1.94	2.91	3.88	4.85	5.82	6.79	7.76	8.73	9.70	**97**
98	.98	1.96	2.94	3.92	4.90	5.88	6.86	7.84	8.82	9.80	**98**
99	.99	1.98	2.97	3.96	4.95	5.94	6.93	7.92	8.91	9.90	**99**
100	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	**100**

1 to 10

11 to 20

21 to 30

31 to 40

41 to 50

51 to 60

61 to 70

71 to 80

81 to 90

91 to 100

Amount of Flooring.

Prices given in top margin. Numbers at side margin. See explanation pages 279–300.

Lumber and Cost Tables—Multiplication, Division, Etc.

	.11	.12	.13	.14	.15	.16	.17	.18	.19	.20	
1	.11	.12	.13	.14	.15	.16	.17	.18	.19	.20	1
2	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40	2
3	.33	.36	.39	.42	.45	.48	.51	.54	.57	.60	3
4	.44	.48	.52	.56	.60	.64	.68	.72	.76	.80	4
5	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00	5
6	.66	.72	.78	.84	.90	.96	1.02	1.08	1.14	1.20	6
7	.77	.84	.91	.98	1.05	1.12	1.19	1.26	1.33	1.40	7
8	.88	.96	1.04	1.12	1.20	1.28	1.36	1.44	1.52	1.60	8
9	.99	1.08	1.17	1.26	1.35	1.44	1.53	1.62	1.71	1.80	9
10	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	10
11	1.21	1.32	1.43	1.54	1.65	1.76	1.87	1.98	2.09	2.20	11
12	1.32	1.44	1.56	1.68	1.80	1.92	2.04	2.16	2.28	2.40	12
13	1.43	1.56	1.69	1.82	1.95	2.08	2.21	2.34	2.47	2.60	13
14	1.54	1.68	1.82	1.96	2.10	2.24	2.38	2.52	2.66	2.80	14
15	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	3.00	15
16	1.76	1.92	2.08	2.24	2.40	2.56	2.72	2.88	3.04	3.20	16
17	1.87	2.04	2.21	2.38	2.55	2.72	2.89	3.06	3.23	3.40	17
18	1.98	2.16	2.34	2.52	2.70	2.88	3.06	3.24	3.42	3.60	18
19	2.09	2.28	2.47	2.66	2.85	3.04	3.23	3.42	3.61	3.80	19
20	2.20	2.40	2.60	2.80	3.00	3.20	3.40	3.60	3.80	4.00	20
21	2.31	2.52	2.73	2.94	3.15	3.36	3.57	3.78	3.99	4.20	21
22	2.42	2.64	2.86	3.08	3.30	3 52	3.74	3.96	4.18	4.40	22
23	2.53	2.76	2.99	3.22	3.45	3.68	3.91	4.14	4.37	4.60	23
24	2.64	2.88	3.12	3.36	3.60	3.84	4.08	4.32	4.56	4.80	24
25	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	25
26	2.86	3.12	3.38	3.64	3.90	4.16	4.42	4.68	4.94	5.20	26
27	2.97	3.24	3.51	3.78	4.05	4.32	4.59	4.86	5.13	5.40	27
28	3.08	3.36	3.64	3.92	4.20	4.48	4.76	5.04	5.32	5.60	28
29	3.19	3.48	3.77	4.06	4.35	4.64	4.93	5.22	5.51	5.80	29
30	3.30	3.60	3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	30
31	3.41	3.72	4.03	4.34	4.65	4.96	5.27	5.58	5.89	6.20	31
32	3.52	3.84	4.16	4.48	4.80	5.12	5.44	5.76	6.08	6.40	32
33	3.63	3.96	4.29	4.62	4.95	5.28	5.61	5.94	6.27	6.60	33
34	3.74	4.08	4.42	4.76	5.10	5.44	5.78	6.12	6.46	6.80	34
35	3.85	4.20	4.55	4.90	5.25	5.60	5.95	6.30	6.65	7.00	35
36	3.96	4.32	4.68	5.04	5.40	5.76	6.12	6.48	6.84	7.20	36
37	4.07	4.44	4.81	5.18	5.55	5.92	6.29	6.66	7.03	7.40	37
38	4.18	4.56	4.94	5.32	5.70	6.08	6.46	6.84	7.22	7.60	38
39	4.29	4.68	5.07	5.46	5.85	6.24	6.63	7.02	7.41	7.80	39
40	4.40	4.80	5.20	5.60	6.00	6.40	6.80	7.20	7.60	8.00	40
41	4.51	4.92	5.33	5.74	6.15	6.56	6.97	7.38	7.79	8.20	41
42	4.62	5.04	5.46	5.88	6.30	6.72	7.14	7.56	7.98	8.40	42
43	4.73	5.16	5.59	6.02	6.45	6.88	7.31	7.74	8.17	8.60	43
44	4.84	5.28	5.72	6.16	6.60	7.04	7.48	7.92	8.36	8.80	44
45	4.95	5.40	5.85	6.30	6.75	7.20	7.65	8.10	8.55	9.00	45
46	5.06	5.52	5.98	6.44	6.90	7.36	7.82	8.28	8.74	9.20	46
47	5.17	5.64	6.11	6.58	7.05	7.52	7.99	8.46	8.93	9.40	47
48	5.28	5.76	6.24	6.72	7.20	7.68	8.16	8.64	9.12	9.60	48
49	5.39	5.88	6.37	6.86	7.35	7.84	8.33	8.82	9.31	9.80	49
50	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	50

See explanation pages 279—300. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

	.11	.12	.13	.14	.15	.16	.17	.18	.19	.20	
51	5.61	6.12	6.63	7.14	7.65	8.16	8.67	9.18	9.69	10.20	51
52	5.72	6.24	6.76	7.28	7.80	8.32	8.84	9.36	9.88	10.40	52
53	5.83	6.36	6.89	7.42	7.95	8.48	9.01	9.54	10.07	10.60	53
54	5.94	6.48	7.02	7.56	8.10	8.64	9.18	9.72	10.26	10.80	54
55	6.05	6.60	7.15	7.70	8.25	8.80	9.35	9.90	10.45	11.00	55
56	6.16	6.72	7.28	7.84	8.40	8.96	9.52	10.08	10.64	11.20	56
57	6.27	6.84	7.41	7.98	8.55	9.12	9.69	10.26	10.83	11.40	57
58	6.38	6.96	7.54	8.12	8.70	9.28	9.86	10.44	11.02	11.60	58
59	6.49	7.08	7.67	8.26	8.85	9.44	10.03	10.62	11.21	11.80	59
60	6.60	7.20	7.80	8.40	9.00	9.60	10.20	10.80	11.40	12.00	60
61	6.71	7.32	7.93	8.54	9.15	9.76	10.37	10.98	11.59	12.20	61
62	6.82	7.44	8.06	8.68	9.30	9.92	10.54	11.16	11.78	12.40	62
63	6.93	7.56	8.19	8.82	9.45	10.08	10.71	11.34	11.97	12.60	63
64	7.04	7.68	8.32	8.96	9.60	10.24	10.88	11.52	12.16	12.80	64
65	7.15	7.80	8.45	9.10	9.75	10.40	11.05	11.70	12.35	13.00	65
66	7.26	7.92	8.58	9.24	9.90	10.56	11.22	11.88	12.54	13.20	66
67	7.37	8.04	8.71	9.38	10.05	10.72	11.39	12.06	12.73	13.40	67
68	7.48	8.16	8.84	9.52	10.20	10.88	11.56	12.24	12.92	13.60	68
69	7.59	8.28	8.97	9.66	10.35	11.04	11.73	12.42	13.11	13.80	69
70	7.70	8.40	9.10	9.80	10.50	11.20	11.90	12.60	13.30	14.00	70
71	7.81	8.52	9.23	9.94	10.65	11.36	12.07	12.78	13.49	14.20	71
72	7.92	8.64	9.36	10.08	10.80	11.52	12.24	12.96	13.68	14.40	72
73	8.03	8.76	9.49	10.22	10.95	11.68	12.41	13.14	13.87	14.60	73
74	8.14	8.88	9.62	10.36	11.10	11.84	12.58	13.32	14.06	14.80	74
75	8.25	9.00	9.75	10.50	11.25	12.00	12.75	13.50	14.25	15.00	75
76	8.36	9.12	9.88	10.64	11.40	12.16	12.92	13.68	14.44	15.20	76
77	8.47	9.24	10.01	10.78	11.55	12.32	13.09	13.86	14.63	15.40	77
78	8.58	9.36	10.14	10.92	11.70	12.48	13.26	14.04	14.82	15 60	78
79	8.69	9.48	10.27	11.06	11.85	12.64	13.43	14.22	15.01	15.80	79
80	8.80	9.60	10.40	11.20	12.00	12.80	13.60	14.40	15.20	16.00	80
81	8.91	9.72	10.53	11.34	12.15	12.96	13.77	14.58	15.39	16.20	81
82	9.02	9.84	10.66	11.48	12.30	13.12	13.94	14.76	15.58	16.40	82
83	9.13	9.96	10.79	11.62	12.45	13.28	14.11	14.94	15.77	16.60	83
84	9.24	10.08	10.92	11.76	12.60	13.44	14.28	15.12	15.96	16.80	84
85	9.35	10.20	11.05	11 90	12.75	13.60	14.45	15.30	16.15	17.00	85
86	9.46	10.32	11.18	12.04	12.90	13.76	14.62	15.48	16.34	17.20	86
87	9.57	10.44	11.31	12.18	13.05	13.92	14.79	15 66	16.53	17.40	87
88	9.68	10.56	11.44	12.32	13.20	14.08	14.96	15.84	16.72	17.60	88
89	9.79	10.68	11.57	12.46	13.35	14.24	15.13	16.02	16.91	17.80	89
90	9.90	10.80	11.70	12.60	13.50	14.40	15 30	16.20	17.10	18.00	90
91	10.01	10.92	11.83	12.74	13.65	14.56	15.47	16.38	17.29	18.20	91
92	10.12	11.04	11.96	12.88	13.80	14.72	15.64	16 56	17.48	18.40	92
93	10.23	11.16	12.09	13 02	13.95	14.88	15.81	16.74	17.67	18.60	93
94	10.34	11.28	12.22	13.16	14.10	15.04	15.98	16.92	17.86	18.80	94
95	10.45	11.40	12.35	13.30	14.25	15.20	16.15	17.10	18.05	19.00	95
96	10.56	11.52	12.48	13.44	14.40	15.36	16.32	17.28	18.24	19.20	96
97	10.67	11.64	12.61	13.58	14.55	15.52	16.49	17.46	18.43	19.40	97
98	10.78	11.76	12.74	13.72	14.70	15.68	16.66	17.64	18.62	19.60	98
99	10.89	11.88	12.87	13.86	14.85	15.84	16.83	17.82	18.81	19.80	99
100	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	100

11 to 20

21 to 30

31 to 40

41 to 50

51 to 60

61 to 70

71 to 80

81 to 90

91 to 100

Amount of Flooring.

Prices given in top margin. Numbers at side margin. See explanation pages 279—300.

Lumber and Cost Tables—Multiplication, Division, Etc.

	.21	.22	.23	.24	.25	.26	.27	.28	.29	.30	
1	.21	.22	.23	.24	.25	.26	.27	.28	.29	.30	1
2	.42	.44	.46	.48	.50	.52	.54	.56	.58	.60	2
3	.63	.66	.69	.72	.75	.78	.81	.84	.87	.90	3
4	.84	.88	.92	.96	1.00	1.04	1.08	1.12	1.16	1.20	4
5	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	5
6	1.26	1.32	1.38	1.44	1.50	1.56	1.62	1.68	1.74	1.80	6
7	1.47	1.54	1.61	1.68	1.75	1.82	1.89	1.96	2.03	2.10	7
8	1.68	1.76	1.84	1.92	2.00	2.08	2.16	2.24	2.32	2.40	8
9	1.89	1.98	2.07	2.16	2.25	2.34	2.43	2.52	2.61	2.70	9
10	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00	10
11	2.31	2.42	2.53	2.64	2.75	2.86	2.97	3.08	3.19	3.30	11
12	2.52	2.64	2.76	2.88	3.00	3.12	3.24	3.36	3.48	3.60	12
13	2.73	2.86	2.99	3.12	3.25	3.38	3.51	3.64	3.77	3.90	13
14	2.94	3.08	3.22	3.36	3.50	3.64	3.78	3.92	4.06	4.20	14
15	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	4.50	15
16	3.36	3.52	3.68	3.84	4.00	4.16	4.32	4.48	4.64	4.80	16
17	3.57	3.74	3.91	4.08	4.25	4.42	4.59	4.76	4.93	5.10	17
18	3.78	3.96	4.14	4.32	4.50	4.68	4.86	5.04	5.22	5.40	18
19	3.99	4.18	4.37	4.56	4.75	4.94	5.13	5.32	5.51	5.70	19
20	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80	6.00	20
21	4.41	4.62	4.83	5.04	5.25	5.46	5.67	5.88	6.09	6.30	21
22	4.62	4.84	5.06	5.28	5.50	5.72	5.94	6.16	6.38	6.60	22
23	4.83	5.06	5.29	5.52	5.75	5.98	6.21	6.44	6.67	6.90	23
24	5.04	5.28	5.52	5.76	6.00	6.24	6.48	6.72	6.96	7.20	24
25	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	25
26	5.46	5.72	5.98	6.24	6.50	6.76	7.02	7.28	7.54	7.80	26
27	5.67	5.94	6.21	6.48	6.75	7.02	7.29	7.56	7.83	8.10	27
28	5.88	6.16	6.44	6.72	7.00	7.28	7.56	7.84	8.12	8.40	28
29	6.09	6.38	6.67	6.96	7.25	7.54	7.83	8.12	8.41	8.70	29
30	6.30	6.60	6.90	7.20	7.50	7.80	8.10	8.40	8.70	9.00	30
31	6.51	6.82	7.13	7.44	7.75	8.06	8.37	8.68	8.99	9.30	31
32	6.72	7.04	7.36	7.68	8.00	8.32	8.64	8.96	9.28	9.60	32
33	6.93	7.26	7.59	7.92	8.25	8.58	8.91	9.24	9.57	9.90	33
34	7.14	7.48	7.82	8.16	8.50	8.84	9.18	9.52	9.86	10.20	34
35	7.35	7.70	8.05	8.40	8.75	9.10	9.45	9.80	10.15	10.50	35
36	7.56	7.92	8.28	8.64	9.00	9.36	9.72	10.08	10.44	10.80	36
37	7.77	8.14	8.51	8.88	9.25	9.62	9.99	10.36	10.73	11.10	37
38	7.98	8.36	8.74	9.12	9.50	9.88	10.26	10.64	11.02	11.40	38
39	8.19	8.58	8.97	9.36	9.75	10.14	10.53	10.92	11.31	11.70	39
40	8.40	8.80	9.20	9.60	10.00	10.40	10.80	11.20	11.60	12.00	40
41	8.61	9.02	9.43	9.84	10.25	10.66	11.07	11.48	11.89	12.30	41
42	8.82	9.24	9.66	10.08	10.50	10.92	11.34	11.76	12.18	12.60	42
43	9.03	9.46	9.89	10.32	10.75	11.18	11.61	12.04	12.47	12.90	43
44	9.24	9.68	10.12	10.56	11.00	11.44	11.88	12.32	12.76	13.20	44
45	9.45	9.90	10.35	10.80	11.25	11.70	12.15	12.60	13.05	13.50	45
46	9.66	10.12	10.58	11.04	11.50	11.96	12.42	12.88	13.34	13.80	46
47	9.87	10.34	10.81	11.28	11.75	12.22	12.69	13.16	13.63	14.10	47
48	10.08	10.56	11.04	11.52	12.00	12.48	12.96	13.44	13.92	14.40	48
49	10.29	10.78	11.27	11.76	12.25	12.74	13.23	13.72	14.21	14.70	49
50	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.00	50

See explanation pages 279—300. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

	.21	.22	.23	.24	.25	.26	.27	.28	.29	.30	
51	10.71	11.22	11.73	12.24	12.75	13.26	13.77	14.28	14.79	15.30	**51**
52	10.92	11.44	11.96	12.48	13.00	13.52	14.04	14.56	15.08	15.60	**52**
53	11.13	11.66	12.19	12.72	13.25	13.78	14.31	14.84	15.37	15.90	**53**
54	11.34	11.88	12.42	12.96	13.50	14.04	14.58	15.12	15.66	16.20	**54**
55	11.55	12.10	12.65	13.20	13.75	14.30	14 85	15.40	15.95	16.50	**55**
56	11.76	12.32	12.88	13.44	14.00	14.56	15.12	15.68	16.24	16.80	**56**
57	11.97	12.54	13.11	13.68	14.25	14.82	15.39	15.96	16 53	17.10	**57**
58	12.18	12.76	13.34	13.92	14.50	15.08	15.66	16.24	16.82	17.40	**58**
59	12.39	12.98	13.57	14.16	14.75	15.34	15.93	16.52	17.11	17.70	**59**
60	12.60	13.20	13.80	14.40	15.00	15.60	16.20	16.80	17.40	18.00	**60**
61	12.81	13.42	14.03	14.64	15.25	15.86	16.47	17.08	17.69	18.30	**61**
62	13.02	13.64	14.26	14.88	15.50	16.12	16.74	17.36	17.98	18.60	**62**
63	13.23	13.86	14.49	15.12	15.75	16.38	17.01	17.64	18.27	18.90	**63**
64	13.44	14 08	14.72	15.36	16 00	16.64	17.28	17.92	18.56	19.20	**64**
65	13.65	14.30	14 95	15.60	16.25	16.90	17.55	18.20	18.85	19.50	**65**
66	13 86	14.52	15.18	15.84	16.50	17.16	17.82	18.48	19.14	19.80	**66**
67	14.07	14.74	15.41	16.08	16.75	17.42	18.09	18.76	19.43	20.10	**67**
68	14.28	14.96	15.64	16.32	17.00	17.68	18.36	19.04	19.72	20.40	**68**
69	14.49	15.18	15.87	16.56	17.25	17.94	18.63	19.32	20.01	20.70	**69**
70	14.70	15.40	16.10	16.80	17.50	18.20	18.90	19.60	20.30	21.00	**70**
71	14.91	15.62	16.33	17.04	17.75	18.46	19.17	19.88	20.59	21.30	**71**
72	15.12	15.84	16.56	17.28	18.00	18.72	19.44	20.16	20.88	21.60	**72**
73	15.33	16.06	16.79	17.52	18.25	18.98	19.71	20.44	21.17	21.90	**73**
74	15.54	16.28	17.02	17.76	18.50	19.24	19.98	20.72	21.46	22.20	**74**
75	15.75	16.50	17.25	18.00	18.75	19.50	20.25	21.00	21.75	22.50	**75**
76	15.96	16.72	17.48	18.24	19.00	19.76	20.52	21.28	22.04	22.80	**76**
77	16.17	16.94	17.71	18.48	19.25	20.02	20.79	21.56	22.33	23.10	**77**
78	16.38	17.16	17.94	18.72	19.50	20.28	21.06	21.84	22.62	23.40	**78**
79	16.59	17.38	18.17	18.96	19.75	20.54	21.33	22.12	22.91	23.70	**79**
80	16.80	17.60	18.40	19.20	20.00	20.80	21.60	22.40	23.20	24.00	**80**
81	17.01	17.82	18.63	19.44	20.25	21.06	21.87	22.68	23.49	24.30	**81**
82	17.22	18.04	18.86	19.68	20.50	21.32	22.14	22 96	23.78	24.60	**82**
83	17.43	18.26	19.09	19.92	20.75	21.58	22.41	23.24	24.07	24.90	**83**
84	17.64	18.48	19.32	20.16	21.00	21.84	22.68	23.52	24.36	25.20	**84**
85	17.85	18.70	19.55	20.40	21.25	22.10	22.95	23.80	24.65	25.50	**85**
86	18.06	18.92	19.78	20.64	21.50	22.36	23.22	24.08	24.94	25.80	**86**
87	18.27	19.14	20.01	20.88	21.75	22.62	23.49	24.36	25.23	26.10	**87**
88	18.48	19.36	20.24	21.12	22.00	22.88	23.76	24.64	25.52	26.40	**88**
89	18.69	19.58	20.47	21.36	22.25	23.14	24.03	24.92	25.81	26.70	**89**
90	18.90	19.80	20.70	21.60	22.50	23.40	24.30	25.20	26.10	27.00	**90**
91	19.11	20.02	20.93	21.84	22.75	23.66	24.57	25.48	26.39	27.30	**91**
92	19.32	20.24	21.16	22.08	23.00	23.92	24.84	25.76	26.68	27.60	**92**
93	19.53	20.46	21.39	22.32	23.25	24.18	25.11	26.04	26.97	27.90	**93**
94	19.74	20.68	21.62	22.56	23.50	24.44	25.38	26.32	27.26	28.20	**94**
95	19.95	20.90	21.85	22.80	23.75	24.70	25.65	26.60	27.55	28.50	**95**
96	20.16	21.12	22.08	23.04	24.00	24.96	25.92	26.88	27.84	28.80	**96**
97	20.37	21.34	22.31	23.28	24.25	25.22	26.19	27.16	28.13	29.10	**97**
98	20.58	21.56	22.54	23.52	24.50	25.48	26.46	27.44	28.42	29.40	**98**
99	20.79	21.78	22.77	23.76	24.75	25.74	26.73	27.72	28.71	29.70	**99**
100	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	**100**

21 to 30

31 to 40

41 to 50

51 to 60

61 to 70

71 to 80

81 to 90

91 to 100

Amount of Flooring.

Prices given in top margin. Numbers at side margin. See explanation pages 279—300.

Lumber and Cost Tables—Multiplication, Division, Etc.

	.31	.32	.33	.34	.35	.36	.37	.38	.39	.40	
1	.31	.32	.33	.34	.35	.36	.37	.38	.39	.40	1
2	.62	.64	.66	.68	.70	.72	.74	.76	.78	.80	2
3	.93	.96	.99	1.02	1.05	1.08	1.11	1.14	1.17	1.20	3
4	1.24	1.28	1.32	1.36	1.40	1.44	1.48	1.52	1.56	1.60	4
5	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	5
6	1.86	1.92	1.98	2.04	2.10	2.16	2.22	2.28	2.34	2.40	6
7	2.17	2.24	2 31	2.38	2.45	2.52	2.59	2.66	2.73	2.80	7
8	2.48	2.56	2.64	2.72	2.80	2.88	2.96	3.04	3.12	3.20	8
9	2.79	2.88	2.97	3.06	3.15	3.24	3.33	3.42	3.51	3.60	9
10	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00	10
11	3.41	3.52	3.63	3.74	3.85	3.96	4.07	4.18	4.29	4.40	11
12	3.72	3.84	3.96	4.08	4.20	4.32	4.44	4.56	4.68	4.80	12
13	4.03	4.16	4.29	4.42	4.55	4.68	4.81	4.94	5.07	5.20	13
14	4.34	4.48	4.62	4.76	4.90	5.04	5.18	5.32	5.46	5.60	14
15	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	6.00	15
16	4.96	5.12	5.28	5.44	5.60	5.76	5.92	6.08	6.24	6.40	16
17	5.27	5.44	5.61	5.78	5.95	6.12	6.29	6.46	6.63	6.80	17
18	5.58	5.76	5.94	6.12	6.30	6.48	6.66	6.84	7.02	7.20	18
19	5.89	6.08	6.27	6.46	6.65	6.84	7.03	7.22	7.41	7.60	19
20	6.20	6.40	6.60	6.80	7.00	7.20	7.40	7.60	7.80	8.00	20
21	6.51	6.72	6.93	7.14	7.35	7.56	7.77	7.98	8.19	8.40	21
22	6.82	7.04	7.26	7.48	7.70	7.92	8.14	8.36	8.58	8.80	22
23	7.13	7.36	7.59	7.82	8.05	8.28	8.51	8.74	8.97	9.20	23
24	7.44	7.68	7.92	8.16	8.40	8.64	8.88	9.12	9.36	9.60	24
25	7.75	8.00	8.25	8.50	8.75	9.00	9.25	9.50	9.75	10.00	25
26	8.06	8.32	8.58	8.84	9.10	9.36	9.62	9.88	10.14	10.40	26
27	8.37	8.64	8.91	9.18	9.45	9.72	9.99	10.26	10.53	10.80	27
28	8.68	8.96	9.24	9.52	9.80	10.08	10.36	10.64	10.92	11.20	28
29	8.99	9 28	9.57	9.86	10.15	10.44	10.73	11.02	11.31	11.60	29
30	9.30	9.60	9.90	10.20	10.50	10.80	11.10	11.40	11.70	12.00	30
31	9 61	9.92	10.23	10.54	10.85	11.16	11.47	11.78	12.09	12.40	31
32	9.92	10.24	10.56	10.88	11.20	11.52	11.84	12.16	12.48	12.80	32
33	10.23	10.56	10.89	11.22	11.55	11.88	12.21	12.54	12.87	13.20	33
34	10.54	10.88	11.22	11.56	11.90	12.24	12.58	12.92	13.26	13.60	34
35	10.85	11.20	11.55	11.90	12.25	12.60	12.95	13.30	13.65	14.00	35
36	11.16	11.52	11.88	12.24	12.60	12.96	13.32	13.68	14.04	14.40	36
37	11.47	11.84	12.21	12.58	12.95	13.32	13.69	14.06	14.43	14.80	37
38	11.78	12.16	12.54	12.92	13.30	13.68	14.06	14.44	14.82	15.20	38
39	12.09	12.48	12 87	13.26	13.65	14.04	14.43	14.82	15.21	15.60	39
40	12.40	12.80	13.20	13.60	14.00	14.40	14.80	15.20	15.60	16.00	40
41	12.71	13.12	13.53	13.94	14.35	14.76	15.17	15.58	15.99	16.40	41
42	13.02	13.44	13.86	14.28	14.70	15.12	15.54	15 96	16.38	16.80	42
43	13.33	13.76	14.19	14.62	15.05	15.48	15.91	16.34	16.77	17.20	43
44	13.64	14.08	14.52	14.96	15.40	15.84	16.28	16.72	17.16	17.60	44
45	13.95	14 40	14.85	15.30	15.75	16.20	16.65	17.10	17.55	18.00	45
46	14.26	14.72	15.18	15.64	16.10	16.56	17.02	17 48	17.94	18.40	46
47	14.57	15 04	15.51	15.98	16.45	16.92	17.39	17.86	18.33	18.80	47
48	14.88	15.36	15.84	16.32	16.80	17.28	17.76	18.24	18.72	19.20	48
49	15.19	15.68	16.17	16 66	17.15	17.64	18.13	18.62	19.11	19.60	49
50	15.50	16.00	16.50	17.00	17.50	18.00	18.50	19 00	19.50	20 00	50

See explanations pages 279—300. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, &c.

.31	.32	.33	.34	.35	.36	.37	.38	.39	.40
15.81	16.32	16.83	17.34	17.85	18.36	18.87	19.38	19.89	20.40
16.12	16.64	17.16	17.68	18.20	18.72	19.24	19.76	20.28	20.80
16.43	16.96	17.49	18.02	18.55	19.08	19.61	20.14	20.67	21.20
16.74	17.28	17.82	18.36	18.90	19.44	19.98	20.52	21.06	21.60
17.05	17.60	18.15	18.70	19.25	19.80	20.35	20.90	21.45	22.00
17.36	17.92	18.48	19.04	19.60	20.16	20.72	21.28	21.84	22.40
17.67	18.24	18.81	19.38	19.95	20.52	21.09	21.66	22.23	22.80
17.98	18.56	19.14	19.72	20.30	20.88	21.46	22.04	22.62	23.20
18.29	18.88	19.47	20.06	20.65	21.24	21.83	22.42	23.01	23.60
18.60	19.20	19.80	20.40	21.00	21.60	22.20	22.80	23.40	24.00
18.91	19.52	20.13	20.74	21.35	21.96	22.57	23.18	23.79	24.40
19.22	19.84	20.46	21.08	21.70	22.32	22.94	23.56	24.18	24.80
19.53	20.16	20.79	21.42	22.05	22.68	23.31	23.94	24.57	25.20
19.84	20.48	21.12	21.76	22.40	23.04	23.68	24.32	24.96	25.60
20.15	20.80	21.44	22.08	22.75	23.40	24.05	24.70	25.35	26.00
20.46	21.12	21.78	22.44	23.10	23.76	24.42	25.08	25.74	26.40
20.77	21.44	22.11	22.80	23.45	24.12	24.79	25.46	26.13	26.80
21.08	21.76	22.44	23.12	23.80	24.48	25.16	25.84	26.52	27.20
21.39	22.08	22.77	23.46	24.15	24.84	25.53	26.22	26.91	27.60
21.70	22.40	23.10	23.80	24.50	25.20	25.90	26.60	27.30	28.00
22.01	22.72	23.43	24.14	24.85	25.56	26.27	26.98	27.69	28.40
22.32	23.04	23.76	24.48	25.20	25.92	26.64	27.36	28.08	28.80
22.63	23.36	24.09	24.82	25.55	26.28	27.01	27.74	28.47	29.20
22.94	23.68	24.42	25.16	25.90	26.64	27.38	28.12	28.86	29.60
23.25	24.00	24.75	25.50	26.25	27.00	27.75	28.50	29.25	30.00
23.56	24.32	25.08	25.84	26.60	27.36	28.12	28.88	29.64	30.40
23.87	24.64	25.41	26.18	26.95	27.72	28.49	29.26	30.03	30.80
24.18	24.96	25.74	26.52	27.30	28.08	28.86	29.64	30.42	31.20
24.49	25.28	26.07	26.86	27.65	28.44	29.23	30.02	30.81	31.60
24.80	25.60	26.40	27.20	28.00	28.80	29.60	30.40	31.20	32.00
25.11	25.92	26.73	27.54	28.35	29.16	29.97	30.78	31.59	32.40
25.42	26.24	27.06	27.88	28.70	29.52	30.34	31.16	31.98	32.80
25.73	26.56	27.39	28.22	29.05	29.88	30.71	31.54	32.37	33.20
26.04	26.88	27.72	28.56	29.40	30.24	31.08	31.92	32.76	33.60
26.35	27.20	28.05	28.90	29.75	30.60	31.45	32.30	33.15	34.00
26.66	27.52	28.38	29.24	30.10	30.96	31.82	32.68	33.54	34.40
26.97	27.84	28.71	29.58	30.45	31.32	32.19	33.06	33.93	34.80
27.28	28.16	29.04	29.92	30.80	31.68	32.56	33.44	34.32	35.20
27.59	28.48	29.37	30.26	31.15	32.04	32.93	33.82	34.71	35.60
27.90	28.80	29.70	30.60	31.50	32.40	33.30	34.20	35.10	36.00
28.21	29.12	30.03	30.94	31.85	32.76	33.67	34.58	35.49	36.40
28.52	29.44	30.36	31.28	32.20	33.12	34.04	34.96	35.88	36.80
28.83	29.76	30.69	31.62	32.55	33.48	34.41	35.34	36.27	37.20
29.14	30.08	31.02	31.96	32.90	33.84	34.78	35.72	36.66	37.60
29.45	30.40	31.35	32.30	33.25	34.20	35.15	36.10	37.05	38.00
29.76	30.72	31.68	32.64	33.60	34.56	35.52	36.48	37.44	38.40
30.07	31.04	32.01	32.98	33.95	34.92	35.89	36.86	37.83	38.80
30.38	31.36	32.33	33.32	34.30	35.28	36.26	37.24	38.22	39.20
30.69	31.68	32.67	33.66	34.65	35.64	36.63	37.62	38.61	39.60
31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00

See explanation pages 279—300. Numbers at side margin. Prices given in top margin.

Amount of Flooring.	31 to 40	41 to 50	51 to 60	61 to 70	71 to 80	81 to 90	91 to 100
	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100						

Lumber and Cost Tables—Multiplication, Division, Etc.

	.31	.32	.33	.34	.35	.36	.37	.38	.39	.40	
51	15.81	16.32	16.83	17.34	17.85	18.36	18.87	19.38	19.89	20.40	**51**
52	16.12	16.64	17.16	17.68	18.20	18.72	19.24	19.76	20.28	20.80	**52**
53	16.43	16.96	17.49	18.02	18.55	19.08	19.61	20.14	20.67	21.20	**53**
54	16.74	17.28	17.82	18.36	18.90	19.44	19.98	20.52	21.06	21.60	**54**
55	17.05	17.60	18.15	18.70	19.25	19.80	20.35	20.90	21.45	22.00	**55**
56	17.36	17.92	18.48	19.04	19.60	20.16	20.72	21.28	21.84	22.40	**56**
57	17.67	18.24	18.81	19.38	19.95	20.52	21.09	21.66	22.23	22.80	**57**
58	17.98	18.56	19.14	19.72	20.30	20.88	21.46	22.04	22.62	23.20	**58**
59	18.29	18.88	19.47	20.06	20.65	21.24	21.83	22.42	23.01	23.60	**59**
60	18.60	19.20	19.80	20.40	21.00	21.60	22.20	22.80	23.40	24.00	**60**
61	18.91	19.52	20.13	20.74	21.85	21.96	22.57	23.18	23.79	24.40	**61**
62	19.22	19.84	20.46	21.08	21.70	22.32	22.94	23.56	24.18	24.80	**62**
63	19.53	20.16	20.79	21.42	22.05	22.68	23.31	23.94	24.57	25.20	**63**
64	19.84	20.48	21.12	21.76	22.40	23.04	23.68	24.32	24.96	25.60	**64**
65	20.15	20.80	21.45	22 10	22.75	23.40	24.05	24.70	25.35	26.00	**65**
66	20.46	21.12	21.78	22.44	23.10	23.76	24.42	25.08	25.74	26.40	**66**
67	20.77	21.44	22.11	22.78	23.45	24.12	24.79	25.46	26.13	26.80	**67**
68	21.08	21.76	22.44	23.12	23.80	24.48	25.16	25.84	26.52	27.20	**68**
69	21.39	22.08	22.77	23.46	24.15	24.84	25.53	26.22	26.91	27.60	**69**
70	21.70	22.40	23.10	23.80	24.50	25.20	25.90	26.60	27.30	28.00	**70**
71	22.01	22.72	23.43	24.14	24.85	25.56	26.27	26.98	27.69	28.40	**71**
72	22.32	23.04	23.76	24.48	25.20	25.92	26.64	27.36	28.08	28.80	**72**
73	22.63	23.36	24.09	24.82	25.55	26.28	27.01	27.74	28.47	29.20	**73**
74	22.94	23.68	24.42	25.16	25.90	26.64	27.38	28.12	28.86	29.60	**74**
75	23.25	24.00	24.75	25.50	26.25	27.00	27.75	28.50	29.25	30.00	**75**
76	23.56	24.32	25.08	25.84	26.60	27.36	28.12	28.88	29.64	30.40	**76**
77	23.87	24.64	25.41	26.18	26.95	27.72	28.49	29.26	30.03	30.80	**77**
78	24.18	24.96	25.74	26.52	27.30	28.08	28.86	29.64	30.42	31.20	**78**
79	24.49	25.28	26.07	26.86	27.65	28.44	29.23	30.02	30.81	31.60	**79**
80	24.80	25.60	26.40	27.20	28.00	28.80	29.60	30.40	31.20	32.00	**80**
81	25.11	25.92	26.73	27.54	28.35	29.16	29.97	30.78	31.59	32.40	**81**
82	25.42	26.24	27.06	27.88	28.70	29.52	30.34	31.16	31.98	32.80	**82**
83	25.73	26.56	27.39	28.22	29.05	29.88	30.71	31.54	32.37	33.20	**83**
84	26.04	26.88	27.72	28.56	29.40	30.24	31.08	31.92	32.76	33.60	**84**
85	26.35	27.20	28.05	28.90	29.75	30.60	31.45	32.30	33.15	34.00	**85**
86	26.66	27.52	28.38	29.24	30.10	30.96	31.82	32.68	33.54	34.40	**86**
87	26.97	27.84	28.71	29.58	30.45	31.32	32.19	33.06	33.93	34.80	**87**
88	27.28	28.16	29.04	29.92	30.80	31.68	32.56	33.44	34.32	35.20	**88**
89	27.59	28.48	29.37	30.26	31.15	32.04	32.93	33.82	34.71	35.60	**89**
90	27.90	28.80	29.70	30.60	31.50	32.40	33.30	34.20	35.10	36.00	**90**
91	28.21	29.12	30.03	30.94	31.85	32.76	33.67	34.58	35.49	36.40	**91**
92	28.52	29.44	30.36	31.28	32.20	33.12	34.04	34.96	35.88	36.80	**92**
93	28.83	29.76	30.69	31.62	32.55	33.48	34.41	35.34	36.27	37.20	**93**
94	29.14	30.08	31.02	31.96	32.90	33.84	34.78	35.72	36.66	37.60	**94**
95	29.45	30.40	31.35	32.30	33.25	34.20	35.15	36.10	37.05	38.00	**95**
96	29.76	30.72	31.68	32.64	33.60	34.56	35.52	36.48	37.44	38.40	**96**
97	30.07	31.04	32.01	32.98	33.95	34.92	35.89	36.86	37.83	38.80	**97**
98	30.38	31.36	32.34	33.32	34.30	35.28	36.26	37.24	38.22	39.20	**98**
99	30.69	31.68	32.67	33.66	34.65	35.64	36.63	37.62	38.61	39.60	**99**
100	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	**100**

31 to 40

41 to 50

51 to 60

61 to 70

71 to 80

81 to 90

91 to 100

Amount of Flooring.

Prices given in top margin. Numbers at side margin. See explanation pages 279—300.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.41	.42	.43	.44	.45	.46	.47	.48	.49	.50	No.
1	.41	.42	.43	.44	.45	.46	.47	.48	.49	.50	1
2	.82	.84	.86	.88	.90	.92	.94	.96	.98	1.00	2
3	1.23	1.26	1.29	1.32	1.35	1.38	1.41	1.44	1.47	1.50	3
4	1.64	1.68	1.72	1.76	1.80	1.84	1.88	1.92	1.96	2.00	4
5	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	5
6	2.46	2.52	2.58	2.64	2.70	2.76	2.82	2 88	2.94	3.00	6
7	2.87	2.94	3 01	3.08	3.15	3.22	3.29	3.36	3.43	3.50	7
8	3.28	3.36	3.44	3.52	3.60	3.68	3.76	3.84	3.92	4.00	8
9	3.69	3.78	3.87	3.96	4.05	4.14	4.23	4.32	4.41	4.50	9
10	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5.00	10
11	4.51	4.62	4.73	4.84	4.95	5.06	5.17	5.28	5.39	5.50	11
12	4.92	5.04	5.16	5.28	5.40	5.52	5.64	5.76	5.88	6.00	12
13	5.33	5.46	5.59	5.72	5.85	5.98	6.11	6.24	6.37	6.50	13
14	5.74	5.88	6.02	6.16	6.30	6.44	6.58	6.72	6.86	7.00	14
15	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	7.50	15
16	6.56	6.72	6.88	7.04	7.20	7.36	7.52	7.68	7.84	8.00	16
17	6.97	7.14	7 31	7.48	7.65	7.82	7.99	8.16	8.33	8.50	17
18	7.38	7.56	7.74	7.92	8.10	8.28	8.46	8.64	8.82	9.00	18
19	7.79	7.98	8 17	8.36	8.55	8.74	8.93	9.12	9.31	9.50	19
20	8.20	8.40	8.60	8.80	9.00	9.20	9.40	9.60	9.80	10.00	20
21	8.61	8.82	9.03	9.24	9.45	9.66	9.87	10.08	10.29	10.50	21
22	9.02	9.24	9.46	9.68	9.90	10.12	10.34	10.56	10.78	11.00	22
23	9.43	9.66	9.89	10.12	10.35	10.58	10.81	11.04	11.27	11.50	23
24	9.84	10.08	10.32	10 56	10.80	11.04	11.28	11.52	11.76	12.00	24
25	10.25	10.50	10.75	11.00	11.25	11.50	11.75	12.00	12.25	12.50	25
26	10.66	10.92	11.18	11.44	11.70	11.96	12.22	12.48	12.74	13.00	26
27	11.07	11.34	11.61	11.88	12.15	12.42	12.69	12.96	13.23	13.50	27
28	11.48	11.76	12.04	12.32	12.60	12.88	13.16	13.44	13.72	14.00	28
29	11.89	12.18	12.47	12.76	13.05	13.34	13.63	13.92	14.21	14.50	29
30	12.30	12.60	12.90	13.20	13.50	13.80	14.10	14.40	14.70	15.00	30
31	12.71	13.02	13.33	13.64	13.95	14.26	14.57	14.88	15.19	15.50	31
32	13.12	13.44	13.76	14.08	14.40	14.72	15.04	15.36	15.68	16.00	32
33	13.53	13.86	14.19	14.52	14.85	15.18	15.51	15.84	16.17	16.50	33
34	13.94	14.28	14.62	14.96	15.30	15.64	15.98	16.32	16.66	17.00	34
35	14.35	14.70	15.05	15.40	15.75	16.10	16.45	16.80	17.15	17.50	35
36	14.76	15.12	15.48	15.84	16.20	16.56	16.92	17.28	17.64	18.00	36
37	15.17	15.54	15.91	16.28	16.65	17.02	17.39	17.76	18.13	18.50	37
38	15 58	15.96	16.34	16.72	17.10	17.48	17.86	18.24	18.62	19.00	38
39	15.99	16.38	16.77	17.16	17.55	17.94	18.33	18.72	19.11	19.50	39
40	16.40	16.80	17.20	17.60	18.00	18.40	18.80	19.20	19.60	20.00	40
41	16.81	17.22	17.63	18.04	18.45	18.86	19.27	19.68	20.09	20.50	41
42	17.22	17.64	18.06	18.48	18.90	19.32	19.74	20.16	20.58	21.00	42
43	17.63	18.06	18.49	18.92	19.35	19.78	20.21	20.64	21.07	21.50	43
44	18.04	18.48	18.92	19.36	19.80	20.24	20.68	21.12	21.56	22.00	44
45	18.45	18.90	19.35	19.80	20.25	20.70	21.15	21.60	22.05	22.50	45
46	18.86	19.32	19.78	20.24	20.70	21.16	21.62	22.08	22.54	23.00	46
47	19.27	19.74	20.21	20.68	21.15	21.62	22.09	22.56	23.03	23.50	47
48	19.68	20.16	20.64	21.12	21.60	22.08	22.56	23.04	23.52	24.00	48
49	20.09	20.58	21.07	21.56	22.05	22.54	23 03	23.52	24.01	24.50	49
50	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	50

See explanation pages 279—300. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.41	.42	.43	.44	.45	.46	.47	.48	.49	.50	No.
51	20.91	21.42	21.93	22.44	22.95	23.46	23.97	24.48	24.99	25.50	51
52	21.32	21.84	22.36	22.88	23.40	23.92	24.44	24.96	25.48	26.00	52
53	21.73	22.26	22.79	23.32	23.85	24.38	24.91	25.44	25.97	26.50	53
54	22.14	22.68	23.22	23.76	24.30	24.84	25.38	25.92	26.46	27.00	54
55	22.55	23.10	23.65	24.20	24.75	25.30	25.85	26.40	26.95	27.50	55
56	22.96	23.52	24.08	24.64	25.20	25.76	26.32	26.88	27.44	28.00	56
57	23.37	23.94	24.51	25.08	25.65	26.22	26.79	27.36	27.93	28.50	57
58	23.78	24.36	24.94	25.52	26.10	26.68	27.26	27.84	28.42	29.00	58
59	24.19	24.78	25.37	25.96	26.55	27.14	27.73	28.32	28.91	29.50	59
60	24.60	25.20	25.80	26.40	27.00	27.60	28.20	28.80	29.40	30.00	60
61	25.01	25.62	26.23	26.84	27.45	28.06	28.67	29.28	29.89	30.50	61
62	25.42	26.04	26.66	27.28	27.90	28.52	29.14	29.76	30.38	31.00	62
63	25.83	26.46	27.09	27.72	28.35	28.98	29.61	30.24	30.87	31.50	63
64	26.24	26.88	27.52	28.16	28.80	29.44	30.08	30.72	31.36	32.00	64
65	26.65	27.30	27.95	28.60	29.25	29.90	30.55	31.20	31.85	32.50	65
66	27.06	27.72	28.38	29.04	29.70	30.36	31.02	31.68	32.34	33.00	66
67	27.47	28.14	28.81	29.48	30.15	30.82	31.49	32.16	32.83	33.50	67
68	27.88	28.56	29.24	29.92	30.60	31.28	31.96	32.64	33.32	34.00	68
69	28.29	28.98	29.67	30.36	31.05	31.74	32.43	33.12	33.81	34.50	69
70	28.70	29.40	30.10	30.80	31.50	32.20	32.90	33.60	34.30	35.00	70
71	29.11	29.82	30.53	31.24	31.95	32.66	33.37	34.08	34.79	35.50	71
72	29.52	30.24	30.96	31.68	32.40	33.12	33.84	34.56	35.28	36.00	72
73	29.93	30.66	31.39	32.12	32.85	33.58	34.31	35.04	35.77	36.50	73
74	30.34	31.08	31.82	32.56	33.30	34.04	34.78	35.52	36.26	37.00	74
75	30.75	31.50	32.25	33.00	33.75	34.50	35.25	36.00	36.75	37.50	75
76	31.16	31.92	32.68	33.44	34.20	34.96	35.72	36.48	37.24	38.00	76
77	31.57	32.34	33.11	33.88	34.65	35.42	36.19	36.96	37.73	38.50	77
78	31.98	32.76	33.54	34.32	35.10	35.88	36.66	37.44	38.22	39.00	78
79	32.39	33.18	33.97	34.76	35.55	36.34	37.13	37.92	38.71	39.50	79
80	32.80	33.60	34.40	35.20	36.00	36.80	37.60	38.40	39.20	40.00	80
81	33.21	34.02	34.83	35.64	36.45	37.26	38.07	38.88	39.69	40.50	81
82	33.62	34.44	35.26	36.08	36.90	37.72	38.54	39.36	40.18	41.00	82
83	34.03	34.86	35.69	36.52	37.35	38.18	39.01	39.84	40.67	41.50	83
84	34.44	35.28	36.12	36.96	37.80	38.64	39.48	40.32	41.16	42.00	84
85	34.85	35.70	36.55	37.40	38.25	39.10	39.95	40.80	41.65	42.50	85
86	35.26	36.12	36.98	37.84	38.70	39.56	40.42	41.28	42.14	43.00	86
87	35.67	36.54	37.41	38.28	39.15	40.02	40.89	41.76	42.63	43.50	87
88	36.08	36.96	37.84	38.72	39.60	40.48	41.36	42.24	43.12	44.00	88
89	36.49	37.38	38.27	39.16	40.05	40.94	41.83	42.72	43.61	44.50	89
90	36.90	37.80	38.70	39.60	40.50	41.40	42.30	43.20	44.10	45.00	90
91	37.31	38.22	39.13	40.04	40.95	41.86	42.77	43.68	44.59	45.50	91
92	37.72	38.64	39.56	40.48	41.40	42.32	43.24	44.16	45.08	46.00	92
93	38.13	39.06	39.99	40.92	41.85	42.78	43.71	44.64	45.57	46.50	93
94	38.54	39.48	40.42	41.36	42.30	43.24	44.18	45.12	46.06	47.00	94
95	38.95	39.90	40.85	41.80	42.75	43.70	44.65	45.60	46.55	47.50	95
96	39.36	40.32	41.28	42.24	43.20	44.16	45.12	46.08	47.04	48.00	96
97	39.77	40.74	41.71	42.68	43.65	44.62	45.59	46.56	47.53	48.50	97
98	40.18	41.16	42.14	43.12	44.10	45.08	46.06	47.04	48.02	49.00	98
99	40.59	41.58	42.57	43.56	44.55	45.54	46.53	47.52	48.51	49.50	99
100	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00	50.00	100

Prices given in top margin. Numbers at side margin. See explanation pages 299—300.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.51	.52	.53	.54	.55	.56	.57	.58	.59	.60	No.
1	.51	.52	.53	.54	.55	.56	.57	.58	.59	.60	1
2	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.18	1.20	2
3	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.80	3
4	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32	2.36	2.40	4
5	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	5
6	3.06	3.12	3.18	3.24	3.30	3.36	3.42	3.48	3.54	3.60	6
7	3.57	3.64	3.71	3.78	3.85	3.92	3.99	4.06	4.13	4.20	7
8	4.08	4.16	4.24	4.32	4.40	4.48	4.56	4.64	4.72	4.80	8
9	4.59	4.68	4.77	4.86	4.95	5.04	5.13	5.22	5.31	5.40	9
10	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	6.00	10
11	5.61	5.72	5.83	5.94	6.05	6.16	6.27	6.38	6.49	6.60	11
12	6.12	6.24	6.36	6.48	6.60	6.72	6.84	6.96	7.08	7.20	12
13	6.63	6.76	6.89	7.02	7.15	7.28	7.41	7.54	7.67	7.80	13
14	7.14	7.28	7.42	7.56	7.70	7.84	7.98	8.12	8.26	8.40	14
15	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	9.00	15
16	8.16	8.32	8.48	8.64	8.80	8.96	9.12	9.28	9.44	9.60	16
17	8.67	8.84	9.01	9.18	9.35	9.52	9.69	9.86	10.03	10.20	17
18	9.18	9.36	9.54	9.72	9.90	10.08	10.26	10.44	10.62	10.80	18
19	9.69	9.88	10.07	10.26	10.45	10.64	10.83	11.02	11.21	11.40	19
20	10.20	10.40	10.60	10.80	11.00	11.20	11.40	11.60	11.80	12.00	20
21	10.71	10.92	11.13	11.34	11.55	11.76	11.97	12.18	12.39	12.60	21
22	11.22	11.44	11.66	11.88	12.10	12.32	12.54	12.76	12.98	13.20	22
23	11.73	11.96	12.19	12.42	12.65	12.88	13.11	13.34	13.57	13.80	23
24	12.24	12.48	12.72	12.96	13.20	13.44	13.68	13.92	14.16	14.40	24
25	12.75	13.00	13.25	13.50	13.75	14.00	14.25	14.50	14.75	15.00	25
26	13.26	13.52	13.78	14.04	14.30	14.56	14.82	15.08	15.34	15.60	26
27	13.77	14.04	14.31	14.58	14.85	15.12	15.39	15.66	15.93	16.20	27
28	14.28	14.56	14.84	15.12	15.40	15.68	15.96	16.24	16.52	16.80	28
29	14.79	15.08	15.37	15.66	15.95	16.24	16.53	16.82	17.11	17.40	29
30	15.30	15.60	15.90	16.20	16.50	16.80	17.10	17.40	17 70	18.00	30
31	15.81	16.12	16.43	16.74	17.05	17.36	17.67	17.98	18.29	18.60	31
32	16.32	16.64	16.96	17.28	17.60	17.92	18.24	18.56	18.88	19.20	32
33	16.83	17.16	17.49	17.82	18.15	18.48	18.81	19.14	19.47	19.80	33
34	17.34	17.68	18.02	18.36	18.70	19.04	19.38	19.72	20.06	20.40	34
35	17.85	18.20	18.55	18.90	19.25	19.60	19.95	20.30	20.65	21.00	35
36	18.36	18.72	19.08	19.44	19.80	20.16	20.52	20.88	21.24	21.60	36
37	18.87	19.24	19.61	19.98	20.35	20.72	21.09	21.46	21.83	22.20	37
38	19.38	19.76	20.14	20.52	20.90	21.28	21.66	22.04	22.42	22.80	38
39	19.89	20.28	20.67	21.06	21.45	21.84	22.23	22.62	23.01	23.40	39
40	20.40	20.80	21.20	21.60	22.00	22.40	22.8	23.20	23.60	24.00	40
41	20.91	21.32	21.73	22.14	22.55	22.96	23.37	23.78	24.19	24.60	41
42	21.42	21 84	22.26	22.68	23.10	23.52	23.94	24.36	24.78	25.20	42
43	21.93	22.36	22.79	23.22	23.65	24.08	24.51	24.94	25.37	25.80	43
44	22.44	22.88	23.32	23.76	24.20	24.64	25.08	25.52	25.96	26.40	44
45	22.95	23.40	23.85	24.30	24.75	25.20	25.65	26.10	26.55	27.00	45
46	23.46	23.92	24.38	24.84	25.30	25.76	26.22	26.68	27.14	27.60	46
47	23.97	24.44	24.91	25.38	25.85	26.32	26.79	27.26	27.73	28.20	47
48	24.48	24.96	25.44	25.92	26.40	26.88	27.36	27 84	28.32	28.80	48
49	24.99	25.48	25.97	26.46	26.95	27.44	27.93	28.42	28.91	29.40	49
50	25.50	26.00	26.50	27.00	27.50	28.00	28.50	29.00	29.50	30.00	50

See explanation pages 279—300. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.51	.52	.53	.54	.55	.56	.57	.58	.59	.60	No.
51	26.01	26.52	27.03	27.54	28.05	28.56	29.07	29.58	30.09	30.60	**51**
52	26.52	27.04	27.56	28.08	28.60	29.12	29.64	30.16	30.68	31.20	**52**
53	27.03	27.56	28.09	28.62	29.15	29.68	30.21	30.74	31.27	31.80	**53**
54	27.54	28.08	28.62	29.16	29.70	30.24	30.78	31.32	31.86	32.40	**54**
55	28.05	28.60	29.15	29.70	30.25	30.80	31.35	31.90	32.45	33.00	**55**
56	28.56	29.12	29.68	30.24	30.80	31.36	31.92	32.48	33.04	33.60	**56**
57	29.07	29.64	30.21	30.78	31.35	31.92	32.49	33.06	33.63	34.20	**57**
58	29.58	30.16	30.74	31.32	31.90	32.48	33.06	33.64	34.22	34.80	**58**
59	30.09	30.68	31.27	31.86	32.45	33.04	33.63	34.22	34.81	35.40	**59**
60	30.60	31.20	31.80	32.40	33.00	33.60	34.20	34.80	35.40	36.00	**60**
61	31.11	31.72	32.33	32.94	33.55	34.16	34.77	35.38	35.99	36.60	**61**
62	31.62	32.24	32.86	33.48	34.10	34.72	35.34	35.96	36.58	37.20	**62**
63	32.13	32.76	33.39	34.02	34.65	35.28	35.91	36.54	37.17	37.80	**63**
64	32.64	33.28	33.92	34.56	35.20	35.84	36.48	37.12	37.76	38.40	**64**
65	33.15	33.80	34.45	35.10	35.75	36.40	37.05	37.70	38.35	39.00	**65**
66	33.66	34.32	34.98	35.64	36.30	36.96	37.62	38.28	38.94	39.60	**66**
67	34.17	34.84	35.51	36.18	36.85	37.52	38.19	38.86	39.53	40.20	**67**
68	34.68	35.36	36.04	36.72	37.40	38.08	38.76	39.44	40.12	40.80	**68**
69	35.19	35.88	36.57	37.26	37.95	38.64	39.33	40.02	40.71	41.40	**69**
70	35.70	36.40	37.10	37.80	38.50	39.20	39.90	40.60	41.30	42.00	**70**
71	36.21	36.92	37.63	38.34	39.05	39.76	40.47	41.18	41.89	42.60	**71**
72	36.72	37.44	38.16	38.88	39.60	40.32	41.04	41.76	42.48	43.20	**72**
73	37.23	37.96	38.69	39.42	40.15	40.88	41.61	42.34	43.07	43.80	**73**
74	37.74	38.48	39.22	39.96	40.70	41.44	42.18	42.92	43.66	44.40	**74**
75	38.25	39.00	39.75	40.50	41.25	42.00	42.75	43.50	44.25	45.00	**75**
76	38.76	39.52	40.28	41.04	41.80	42.56	43.32	44.08	44.84	45.60	**76**
77	39.27	40.04	40.81	41.58	42.35	43.12	43.89	44.66	45.43	46.20	**77**
78	39.78	40.56	41.34	42.12	42.90	43.68	44.46	45.24	46.02	46.80	**78**
79	40.29	41.08	41.87	42.66	43.45	44.24	45.03	45.82	46.61	47.40	**79**
80	40.80	41.60	42.40	43.20	44.00	44.80	45.60	46.40	47.20	48.00	**80**
81	41.31	42.12	42.93	43.74	44.55	45.36	46.17	46.98	47.79	48.60	**81**
82	41.82	42.64	43.46	44.28	45.10	45.92	46.74	47.56	48.38	49.20	**82**
83	42.33	43.16	43.99	44.82	45.65	46.48	47.31	48.14	48.97	49.80	**83**
84	42.84	43.68	44.52	45.36	46.20	47.04	47.88	48.72	49.56	50.40	**84**
85	43.35	44.20	45.05	45.90	46.75	47.60	48.45	49.30	50.15	51.00	**85**
86	43.86	44.72	45.58	46.44	47.30	48.16	49.02	49.88	50.74	51.60	**86**
87	44.37	45.24	46.11	46.98	47.85	48.72	49.59	50.46	51.33	52.20	**87**
88	44.88	45.76	46.64	47.52	48.40	49.28	50.16	51.04	51.92	52.80	**88**
89	45.39	46.28	47.17	48.06	48.95	49.84	50.73	51.62	52.51	53.40	**89**
90	45.90	46.80	47.70	48.60	49.50	50.40	51.30	52.20	53.10	54.00	**90**
91	46.41	47.32	48.23	49.14	50.05	50.96	51.87	52.78	53.69	54.60	**91**
92	46.92	47.84	48.76	49.68	50.60	51.52	52.44	53.36	54.28	55.20	**92**
93	47.43	48.36	49.29	50.22	51.15	52.08	53.01	53.94	54.87	55.80	**93**
94	47.94	48.88	49.82	50.76	51.70	52.64	53.58	54 52	55.46	56.40	**94**
95	48.45	49.40	50.35	51.30	52.25	53.20	54.15	55.10	56.05	57.00	**95**
96	48.96	49.92	50.88	51.84	52.80	53.76	54.72	55.68	56.64	57.60	**96**
97	49.47	50.44	51.41	52.38	53.35	54.32	55.29	56.26	57.23	58.20	**97**
98	49.98	50.96	51.94	52.92	53.90	54.88	55.86	56.84	57.82	58.80	**98**
99	50.49	51.48	52.47	53.46	54.45	55.44	56.43	57.42	58.41	59.40	**99**
100	51.00	52.00	53.00	54.00	55.00	56.00	57.00	58.00	59 00	60.00	**100**

51 to 60

61 to 70

71 to 80

81 to 90

91 to 100

Amount of Flooring.

Prices given in top margin. Numbers at side margin. See explanation pages 279—300.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	No.
1	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	1
2	1.22	1.24	1.26	1.28	1.30	1.32	1.34	1.36	1.38	1.40	2
3	1.83	1.86	1.89	1.92	1.95	1.98	2.01	2.04	2.07	2.10	3
4	2.44	2.48	2.52	2.56	2.60	2.64	2.68	2.72	2.76	2.80	4
5	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50	5
6	3.66	3.72	3.78	3.84	3.90	3.96	4.02	4.08	4.14	4.20	6
7	4.27	4.34	4.41	4.48	4.55	4.62	4.69	4.76	4.83	4.90	7
8	4.88	4.96	5.04	5.12	5.20	5.28	5.36	5.44	5.52	5.60	8
9	5.49	5.58	5.67	5.76	5.85	5.94	6.03	6.12	6.21	6.30	9
10	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	7.00	10
11	6.71	6.82	6.93	7.04	7.15	7.26	7.37	7.48	7.59	7.70	11
12	7.32	7.44	7.56	7.68	7.80	7.92	8.04	8.16	8.28	8.40	12
13	7.93	8.06	8.19	8.32	8.45	8.58	8.71	8.84	8.97	9.10	13
14	8.54	8.68	8.82	8.96	9.10	9.24	9.38	9.52	9.66	9.80	14
15	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	10.50	15
16	9.76	9.92	10.08	10.24	10.40	10.56	10.72	10.88	11.04	11.20	16
17	10.37	10.54	10.71	10.88	11.05	11.22	11.39	11.56	11.73	11.90	17
18	10.98	11.16	11.34	11.52	11.70	11.88	12.06	12.24	12.42	12 60	18
19	11.59	11.78	11.97	12.16	12.35	12.54	12.73	12.92	13.11	13.30	19
20	12.20	12.40	12.60	12.80	13.00	13.20	13.40	13.60	13.80	14.00	20
21	12.81	13.02	13.23	13.44	13 65	13.86	14.07	14.28	14.49	14.70	21
22	13 42	13.64	13.86	14.08	14.30	14.52	14.74	14.96	15.18	15.40	22
23	14.03	14.26	14.49	14.72	14.95	15.18	15.41	15.64	15.87	16.10	23
24	14.64	14.88	15.12	15.36	15.60	15.84	16.08	16.32	16.56	16.80	24
25	15.25	15.50	15.75	16.00	16.25	16.50	16.75	17.00	17.25	17.50	25
26	15.86	16.12	16.38	16.64	16.90	17.16	17.42	17.68	17.94	18.20	26
27	16.47	16.74	17.01	17.28	17.55	17.82	18.09	18.36	18.63	18.90	27
28	17.08	17.36	17.64	17.92	18.20	18.48	18.76	19.04	19.32	19.60	28
29	17.69	17.98	18.27	18.56	18.85	19.14	19.43	19.72	20.01	20 30	29
30	18.30	18.60	18.90	19.20	19.50	19.80	20.10	20.40	20.70	21.00	30
31	18.91	19.22	19.53	19.84	20.15	20.46	20.77	21.08	21.39	21.70	31
32	19.52	19.84	20.16	20.48	20.80	21.12	21.44	21.76	22.08	22.40	32
33	20.13	20.46	20.79	21.12	21.45	21.78	22.11	22.44	22.77	23.10	33
34	20.74	21.08	21.42	21.76	22.10	22.44	22.78	23.12	23.46	23.80	34
35	21.35	21.70	22.05	22.40	22.75	23.10	23.45	23.80	24.15	24.50	35
36	21.96	22.32	22.68	23.04	23.40	23.76	24.12	24.48	24.84	25.20	36
37	22.57	22.94	23.31	23.68	24.05	24.42	24.79	25.16	25.53	25.90	37
38	23.18	23.56	23.94	24.32	24.70	25.08	25.46	25.84	26.22	26.60	38
39	23.79	24.18	24.57	24.96	25.35	25.74	26.13	26.52	26.91	27.30	39
40	24.40	24.80	25.20	25.60	26.00	26.40	26.80	27.20	27.60	28.00	40
41	25.01	25.42	25.83	26.24	26.65	27.06	27.47	27.88	28.29	28.70	41
42	25.62	26.04	26.46	26.88	27.30	27.72	28.14	28.56	28.98	29.40	42
43	26.23	26.66	27.09	27.52	27.95	28.38	28.81	29.24	29.67	30.10	43
44	26.84	27.28	27.72	28.16	28.60	29.04	29.48	29.92	30.36	30.80	44
45	27.45	27.90	28.35	28.80	29.25	29.70	30.15	30.60	31.05	31.50	45
46	28.06	28.52	28.98	29.44	29.90	30.36	30.82	31.28	31.74	32.20	46
47	28.67	29.14	29.61	30.08	30.55	31.02	31.49	31.96	32.43	32.90	47
48	29.28	29.76	30.24	30.72	31.20	31.68	32.16	32.64	33.12	33.60	48
49	29.89	30.38	30.87	31.36	31.85	32.34	32.83	33.32	33.81	34.30	49
50	30.50	31.00	31.50	32.00	32.50	33.00	33.50	34.00	34.50	35.00	50

See explanation pages 279—300. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	No.
51	31.11	31.62	32.13	32.64	33.15	33.66	34.17	34.68	35.19	35.70	51
52	31.72	32.24	32.76	33.28	33.80	34.32	34.84	35.36	35.88	36.40	52
53	32.33	32.86	33.39	33.92	34.45	34.98	35.51	36.04	36.57	37.10	53
54	32.94	33.48	34.02	34.56	35.10	35.64	36.18	36.72	37.26	37.80	54
55	33.55	34.10	34.65	35.20	35.75	36.30	36.85	37.40	37.95	38.50	55
56	34.16	34.72	35.28	35.84	36.40	36.96	37.52	38.08	38.64	39.20	56
57	34.77	35.34	35.91	36.48	37.05	37.62	38.19	38.76	39.33	39.90	57
58	35.38	35.96	36.54	37.12	37.70	38.28	38.86	39.44	40.02	40.60	58
59	35.99	36.58	37.17	37.76	38.35	38.94	39.53	40.12	40.71	41.30	59
60	36.60	37.20	37.80	38.40	39.00	39.60	40.20	40.80	41.40	42.00	60
61	37.21	37.82	38.43	39.04	39.65	40.26	40.87	41.48	42.09	42.70	61
62	37.82	38.44	39.06	39.68	40.30	40.92	41.54	42.16	42.78	43.40	62
63	38.43	39.06	39.69	40.32	40.95	41.58	42.21	42.84	43.47	44.10	63
64	39.04	39.68	40.32	40.96	41.60	42.24	42.88	43.52	44.16	44.80	64
65	39.65	40.30	40.95	41.60	42.25	42.90	43.55	44.20	44.85	45.50	65
66	40.26	40.92	41.58	42.24	42.90	43.56	44.22	44.88	45.54	46.20	66
67	40.87	41.54	42.21	42.88	43.55	44.22	44.89	45.56	46.23	46.90	67
68	41.48	42.16	42.84	43.52	44.20	44.88	45.56	46.24	46.92	47.60	68
69	42.09	42.78	43.47	44.16	44.85	45.54	46.23	46.92	47.61	48.30	69
70	42.70	43.40	44.10	44.80	45.50	46.20	46.90	47.60	48.30	49.00	70
71	43.31	44.02	44.73	45.44	46.15	46.86	47.57	48.28	48.99	49.70	71
72	43.92	44.64	45.36	46.08	46.80	47.52	48.24	48.96	49.68	50.40	72
73	44.53	45.26	45.99	46.72	47.45	48.18	48.91	49.64	50.37	51.10	73
74	45.14	45.88	46.62	47.36	48.10	43.84	49.58	50.32	51.06	51.80	74
75	45.75	46.50	47.25	48.00	48.75	49.50	50.25	51.00	51.75	52.50	75
76	46.36	47.12	47.88	48.64	49.40	50.16	50.92	51.68	52.44	53.20	76
77	46.97	47.74	48.51	49.28	50.05	50.82	51.59	52.36	53.13	53.90	77
78	47.58	48.36	49.14	49.92	50.70	51.48	52.26	53.04	53.82	54.60	78
79	48.19	48.98	49.77	50.56	51.35	52.14	52.93	53.72	54.51	55.30	79
80	48.80	49.60	50.40	51.20	52.00	52.80	53.60	54.40	55.20	56.00	80
81	49.41	50.22	51.03	51.84	52.65	53.46	54.27	55.08	55.89	56.70	81
82	50.02	50.84	51.66	52.48	53.30	54.12	54.94	55.76	56.58	57.40	82
83	50.63	51.46	52.29	53.12	53.95	54.78	55.61	56.44	57.27	58.10	83
84	51.24	52.08	52.92	53.76	54.60	55.44	56.28	57.12	57.96	58.80	84
85	51.85	52.70	53.55	54.40	55.25	56.10	56.95	57.80	58.65	59.50	85
86	52.46	53.32	54.18	55.04	55.90	56.76	57.62	58.48	59.34	60.20	86
87	53.07	53.94	54.81	55.68	56.55	57.42	58.29	59.16	60.03	60.90	87
88	53.68	54.56	55.44	56.32	57.20	58.08	58.96	59.84	60.72	61.60	88
89	54.29	55.18	56.07	56.96	57.85	58.74	59.63	60.52	61.41	62.30	89
90	54.90	55.80	56.70	57.60	58.50	59.40	60.30	61.20	62.10	63.00	90
91	55.51	56.42	57.33	58.24	59.15	60.06	60.97	61.88	62.79	63.70	91
92	56.12	57.04	57.96	58.88	59.80	60.72	61.64	62.56	63.48	64.40	92
93	56.73	57.66	58.59	59.52	60.45	61.38	62.31	63.24	64.17	65.10	93
94	57.34	58.28	59.22	60.16	61.10	62.04	62.98	63.92	64.86	65.80	94
95	57.95	58.90	59.85	60.80	61.75	62.70	63.65	64.60	65.55	66.50	95
96	58.56	59.52	60.48	61.44	62.40	63.36	64.32	65.28	66.24	67.20	96
97	59.17	60.14	61.11	62.08	63.05	64.02	64.99	65.96	66.93	67.90	97
98	59.78	60.76	61.74	62.72	63.70	64.68	65.66	66.64	67.62	68.60	98
99	60.39	61.38	62.37	63.36	64.35	65.34	66.33	67.32	68.31	69.30	99
100	61.00	62.00	63.00	64.00	65.00	66.00	67.00	68.00	69.00	70.00	100

61 to 70

71 to 80

81 to 90

91 to 100

Amount of Flooring.

Prices given in top margin. Numbers at side margin. See explanation pages 279—300.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	No.
1	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	1
2	1.42	1.44	1.46	1.48	1.50	1.52	1.54	1.56	1.58	1.60	2
3	2.13	2.16	2.19	2.22	2.25	2.28	2.31	2.34	2.37	2.40	3
4	2.84	2.88	2.92	2 96	3.00	3.04	3 08	3.12	3.16	3.20	4
5	3.55	3.60	3.65	3.70	3 75	3.80	8.85	3.90	3.95	4.00	5
6	4.26	4.32	4.38	4.44	4.50	4.56	4.62	4.68	4.74	4.80	6
7	4.97	5.04	5.11	5.18	5.25	5.32	5.39	5.46	5.53	5.60	7
8	5.68	5.76	5.84	5.92	6.00	6.08	6.16	6.24	6.32	6.40	8
9	6.39	6.48	6.57	6.66	6.75	6.84	6.93	7.02	7.11	7.20	9
10	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	8.00	10
11	7.81	7.92	8.03	8.14	8.25	8.36	8.47	8.58	8.69	8.80	11
12	8.52	8.64	8.76	8.88	9.00	9.12	9.24	9.36	9.48	9.60	12
13	9.23	9.36	9.49	9.62	9.75	9.88	10.01	10.14	10.27	10.40	13
14	9.94	10.08	10.22	10.36	10.50	10.64	10.78	10.92	11.06	11.20	14
15	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	12.00	15
16	11.36	11.52	11.68	11.84	12.00	12.16	12.32	12.48	12.64	12.80	16
17	12.07	12.24	12.41	12.58	12.75	12.92	13.09	13.26	13.43	13.60	17
18	12.78	12.96	13.14	13.32	13.50	13.68	13.86	14.04	14.22	14.40	18
19	13.49	13.68	13.87	14.06	14.25	14.44	14.63	14.82	15.01	15 20	19
20	14.20	14.40	14.60	14.80	15.00	15.20	15.40	15.60	15.80	16.00	20
21	14.91	15.12	15.33	15.54	15.75	15.96	16.17	16.38	16.59	16.80	21
22	15.62	15.84	16.06	16.28	16.50	16.72	16.94	17.16	17.38	17.60	22
23	16.33	16.56	16.79	17.02	17.25	17.48	17.71	17.94	18.17	18.40	23
24	17.04	17.28	17.52	17.76	18.00	18.24	18.48	18.72	18.96	19.20	24
25	17.75	18.00	18.25	18.50	18.75	19.00	19.25	19.50	19.75	20.00	25
26	18.46	18.72	18.98	19.24	19.50	19.76	20.02	20.28	20.54	20.80	26
27	19.17	19.44	19.71	19.98	20.25	20.52	20.79	21.06	21.33	21.60	27
28	19.88	20.16	20.44	20.72	21.00	21.28	21.56	21.84	22.12	22.40	28
29	20.59	20.88	21.17	21.46	21.75	22.04	22.33	22.62	22.91	23.20	29
30	21.30	21.60	21.90	22.20	22.50	22.80	23.10	23.40	23.70	24.00	30
31	22.01	22.32	22.63	22.94	23.25	23.56	23.87	24.18	24.49	24.80	31
32	22.72	23.04	23.36	23.68	24.00	24.32	24.64	24.96	25.28	25.60	32
33	23.43	23.76	24.09	24.42	24.75	25.08	25.41	25.74	26.07	26.40	33
34	24.14	24.48	24.82	25.16	25.50	25.84	26.18	26.52	26.86	27.20	34
35	24.85	25.20	25.55	25.90	26.25	26.60	26.95	27.30	27.65	28.00	35
36	25.56	25.92	26.28	26.64	27.00	27.36	27.72	28.08	28.44	28.80	36
37	26.27	26.64	27.01	27.38	27.75	28.12	28.49	28.86	29.23	29.60	37
38	26.98	27.36	27.74	28.12	28.50	28.88	29.26	29.64	30.02	30.40	38
39	27.69	28.08	28.47	28.86	29.25	29.64	30.03	30.42	30.81	31.20	39
40	28.40	28.80	29.20	29.60	30.00	30.40	30.80	31.20	31.60	32.00	40
41	29.11	29.52	29.93	30.34	30.75	31.16	31.57	31.98	32.39	32.80	41
42	29.82	30.24	30.66	31.08	31.50	31.92	32.34	32.76	33.18	33.60	42
43	30.53	30.96	31.39	31.82	32.25	32.68	33.11	33.54	33.97	34.40	43
44	31.24	31.68	32.12	32.56	33.00	33.44	33.88	34.32	34.76	35.20	44
45	31.95	32.40	32.85	33.30	33.75	34.20	34.65	35.10	35.55	36.00	45
46	32.66	33.12	33.58	34.04	34.50	34.96	35.42	35.88	36.34	36.80	46
47	33.37	33.84	34.31	34.78	35.25	35.72	36.19	36.66	37.13	37.60	47
48	34.08	34.56	35.04	35.52	36.00	36.48	36.96	37.44	37 92	38.40	48
49	34.79	35.28	35.77	36.26	36.75	37.24	37.73	38.22	38.71	39.20	49
50	35.50	36.00	36.50	37.00	37.50	38.00	38.50	39.00	39.50	40 00	50

See explanation pages 279—300. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	No.
51	36.21	36.72	37.23	37.74	38.25	38.76	39.27	39.78	40.29	40.80	51
52	36.92	37.44	37.96	38.48	39.00	39.52	40.04	40.56	41.08	41.60	52
53	37.63	38.16	38.69	39 22	39.75	40.28	40.81	41.34	41.87	42.40	53
54	38.34	38.88	39.42	39.96	40.50	41.04	41.58	42.12	42.66	43.20	54
55	39.05	39.60	40.15	40.70	41.25	41.80	42.35	42.90	43.45	44.00	55
56	39.76	40.32	40.88	41.44	42.00	42.56	43.12	43.68	44.24	44.80	56
57	40.47	41.04	41.61	42.18	42.75	43.32	43.89	44.46	45.03	45.60	57
58	41.18	41.76	42.34	42.92	43.50	44.08	44.66	45.24	45.82	46.40	58
59	41.89	42.48	43.07	43.66	44.25	44.84	45.43	46.02	46.61	47.20	59
60	42.60	43.20	43.80	44.40	45.00	45.60	46.20	46.80	47.40	48.00	60
61	43.31	43.92	44.53	45.14	45.75	46.36	46.97	47.58	48.19	48.80	61
62	44.02	44.64	45.26	45.88	46.50	47.12	47.74	48.36	48.98	49.60	62
63	44.73	45.36	45.99	46.62	47.25	47.88	48.51	49.14	49.77	50.40	63
64	45.44	46.08	46.72	47.36	48.00	48.64	49.28	49.92	50.56	51.20	64
65	46.15	46.80	47.45	48.10	48.75	49.40	50.05	50.70	51.35	52.00	65
66	46.86	47.52	48.18	48.84	49.50	50.16	50.82	51.48	52.14	52.80	66
67	47.57	48.24	48.91	49.58	50.25	50.92	51.59	52.26	52.93	53.60	67
68	48.28	48.96	49.64	50.32	51.00	51.68	52.36	53.04	53.72	54.40	68
69	48.99	49.68	50.37	51.06	51.75	52.44	53.13	53.82	54.51	55.20	69
70	49.70	50.40	51.10	51.80	52.50	53.20	53.90	54.60	55.30	56.00	70
71	50.41	51.12	51.83	52.54	53.25	53.96	54.67	55.38	56.09	56.80	71
72	51.12	51.84	52.56	53.28	54.00	54.72	55.44	56.16	56.88	57.60	72
73	51.83	52.56	53.29	54.02	54.75	55.48	56.21	56.94	57.67	58.40	73
74	52.54	53.28	54.02	54.76	55.50	56.24	56.98	57.72	58.46	59.20	74
75	53.25	54.00	54.75	55.50	56.25	57.00	57.75	58.50	59.25	60.00	75
76	53.96	54.72	55.48	56.24	57.00	57.76	58.52	59.28	60.04	60.80	76
77	54.67	55.44	56.21	56.98	57.75	58.52	59.29	60.06	60.83	61.60	77
78	55.38	56.16	56.94	57.72	58.50	59.28	60.06	60.84	61.62	62.40	78
79	56.09	56.88	57.67	58.46	59.25	60.04	60.83	61.62	62.41	63.20	79
80	56.80	57.60	58.40	59.20	60.00	60.80	61.60	62.40	63.20	64.00	80
81	57.51	58.32	59.13	59.94	60.75	61.56	62.37	63.18	63.99	64.80	81
82	58.22	59.04	59.86	60.68	61.50	62.32	63.14	63.96	64.78	65.60	82
83	58.93	59.76	60.59	61.42	62.25	63.08	63.91	64.74	65.57	66.40	83
84	59.64	60.48	61.32	62.16	63.00	63.84	64.68	65.52	66.36	67.20	84
85	60.35	61.20	62.05	62.90	63.75	64.60	65.45	66.30	67.15	68.00	85
86	61.06	61.92	62.78	63.64	64.50	65.36	66.22	67.08	67.94	68.80	86
87	61.77	62.64	63.51	64.38	65.25	66.12	66.99	67.86	68.73	69.60	87
88	62.48	63.36	64.24	65.12	66.00	66.88	67.76	68.64	69.52	70.40	88
89	63.19	64.08	64.97	65.86	66.75	67.64	68.53	69.42	70.31	71.20	89
90	63.90	64.80	65.70	66.60	67.50	68.40	69.30	70.20	71.10	72.00	90
91	64.61	65.52	66.43	67.34	68.25	69.16	70.07	70.98	71.89	72.80	91
92	65.32	66.24	67.16	68.08	69.00	69.92	70.84	71.76	72.68	73.60	92
93	66.03	66.96	67.89	68.82	69.75	70.68	71.61	72.54	73.47	74.40	93
94	66.74	67.68	68.62	69.56	70.50	71.44	72.38	73.32	74.26	75.20	94
95	67.45	68.40	69.35	70.30	71.25	72.20	73.15	74.10	75.05	76.00	95
96	68.16	69.12	70.08	71.04	72.00	72.96	73.92	74.88	75.84	76.80	96
97	68.87	69.84	70.81	71.78	72.75	73.72	74.69	75.66	76.63	77.60	97
98	69.58	70.56	71.54	72.52	73.50	74.48	75.46	76.44	77.42	78.40	98
99	70.29	71.28	72.27	73.26	74.25	75.24	76.23	77.22	78.21	79.20	99
100	71.00	72.00	73.00	74.00	75.00	76.00	77.00	78.00	79.00	80.00	100

71 to 80

81 to 90

91 to 100

Amount of Flooring.

Prices given in top margin. Numbers at side margin. See explanation pages 279—300.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.81	.82	.83	.84	.85	.86	.87	.88	.89	.90	No.
1	.81	.82	.83	.84	.85	.86	.87	.88	.89	.90	1
2	1.62	1.64	1.66	1.68	1.70	1.72	1.74	1.76	1.78	1 80	2
3	2.43	2.46	2.49	2.52	2.55	2.58	2.61	2.64	2.67	2.70	3
4	3.24	3.28	3.32	3.36	3.40	3.44	3.48	3.52	3.56	3.60	4
5	4.05	4.10	4.15	4.20	4.25	4.30	4.35	4 40	4.45	4.50	5
6	4.86	4.92	4.98	5.04	5.10	5.16	5.22	5.28	5.34	5.40	6
7	5.67	5.74	5.81	5.88	5.95	6.02	6.09	6.16	6.23	6.30	7
8	6.48	6.56	6.64	6.72	6.80	6.88	6.96	7.04	7.12	7.20	8
9	7.29	7.38	7.47	7.56	7.65	7.74	7.83	7.92	8.01	8.10	9
10	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	9.00	10
11	8.91	9.02	9.13	9.24	9.35	9.46	9.57	9.68	9.79	9.90	11
12	9.72	9.84	9.96	10.08	10.20	10.32	10.44	10.56	10.68	10.80	12
13	10.53	10.66	10.79	10.92	11.05	11.18	11.31	11.44	11.57	11.70	13
14	11.34	11.48	11.62	11.76	11.90	12.04	12.18	12.32	12.46	12.60	14
15	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	13.50	15
16	12.96	13.12	13.28	13.44	13.60	13.76	13.92	14.08	14.24	14.40	16
17	13.77	13.94	14.11	14.28	14.45	14.62	14.79	14.96	15.13	15.30	17
18	14.58	14.76	14.94	15.12	15.30	15.48	15.66	15.84	16.02	16.20	18
19	15.39	15.58	15.77	15.96	16.15	16.34	16.53	16.72	16.91	17.10	19
20	16.20	16.40	16.60	16.80	17.00	17.20	17.40	17.60	17.80	18.00	20
21	17.01	17.22	17.43	17.64	17.85	18.06	18.27	18.48	18.69	18.90	21
22	17.82	18.04	18.26	18.48	18.70	18.92	19.14	19.36	19.58	19.80	22
23	18.63	18.86	19.09	19.32	19.55	19.78	20.01	20.24	20.47	20.70	23
24	19.44	19.68	19.92	20.16	20.40	20.64	20.88	21.12	21.36	21.60	24
25	20.25	20.50	20.75	21.00	21.25	21.50	21.75	22.00	22.25	22.50	25
26	21.06	21.32	21.58	21.84	22.10	22.36	22.62	22.88	23.14	23.40	26
27	21.87	22.14	22.41	22.68	22.95	23.22	23.49	23.76	24.03	24.30	27
28	22.68	22.96	23.24	23.52	23.80	24.08	24.36	24.64	24.92	25.20	28
29	23.49	23.78	24.07	24.36	24.65	24.94	25.23	25.52	25.81	26.10	29
30	24.30	24.60	24.90	25.20	25.50	25.80	26.10	26.40	26.70	27.00	30
31	25.11	25.42	25.73	26.04	26.35	26.66	26.97	27.28	27.59	27.90	31
32	25.92	26.24	26.56	26.88	27.20	27.52	27.84	28.16	28.48	28.80	32
33	26.73	27.06	27.39	27.72	28.05	28.38	28.71	29.04	29.37	29.70	33
34	27.54	27.88	28.22	28.56	28.90	29.24	29.58	29.92	30.26	30.60	34
35	28.35	28.70	29.05	29.40	29.75	30.10	30.45	30.80	31.15	31.50	35
36	29.16	29.52	29.88	30.24	30.60	30.96	31.32	31.68	32.04	32.40	36
37	29.97	30.34	30.71	31.08	31.45	31.82	32.19	32.56	32.93	33.30	37
38	30.78	31.16	31.54	31.92	32.30	32.68	33.06	33.44	33.82	34.20	38
39	31.59	31.98	32.37	32.76	33.15	33.54	33.93	34.32	34.71	35.10	39
40	32.40	32.80	33.20	33.60	34.00	34.40	34.80	35.20	35.60	36.00	40
41	33.21	33.62	34.03	34.44	34.85	35.26	35.67	36.08	36.49	36.90	41
42	34.02	34.44	34.86	35.28	35.70	36.12	36.54	36.96	37.38	37.80	42
43	34.83	35.26	35.69	36.12	36.55	36.98	37.41	37.84	38.27	38.70	43
44	35.64	36.08	36.52	36.96	37.40	37.84	38.28	38.72	39.16	39.60	44
45	36.45	36.90	37.35	37.80	38.25	38.70	39 15	39.60	40.05	40.50	45
46	37.26	37.72	38.18	38.64	39.10	39.56	40.02	40.48	40.94	41.40	46
47	38.07	38.54	39.01	39.48	39.95	40.42	40.89	41.36	41.83	42.30	47
48	38.88	39.36	39.84	40.32	40.80	41.28	41.76	42.24	42.72	43.20	48
49	39.69	40.18	40.67	41.16	41.65	42.14	42.63	43.12	43.61	44.10	49
50	40.50	41.00	41.50	42.00	42.50	43.00	43.50	44.00	44.50	45.00	50

See explanation pages 279—300. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.81	.82	.83	.84	.85	.86	.87	.88	.89	.90	No.
51	41.31	41.82	42.33	42.84	43.35	43.86	44.37	44.88	45.39	45.90	**51**
52	42.12	42.64	43.16	43.68	44.20	44.72	45.24	45.76	46.28	46.80	**52**
53	42.93	43.46	43.99	44.52	45.05	45.58	46.11	46.64	47.17	47.70	**53**
54	43.74	44.28	44.82	45.36	45.90	46.44	46.98	47.52	48.06	48.60	**54**
55	44.55	45.10	45.65	46.20	46.75	47.30	47.85	48.40	48.95	49.50	**55**
56	45.36	45.92	46.48	47.04	47.60	48.16	48.72	49.28	49.84	50.40	**56**
57	46.17	46.74	47.31	47.88	48.45	49.02	49.59	50.16	50.73	51.30	**57**
58	46.98	47.56	48.14	48.72	49.30	49.88	50.46	51.04	51.62	52.20	**58**
59	47.79	48.38	48.97	49.56	50.15	50.74	51.33	51.92	52.51	53.10	**59**
60	48.60	49.20	49.80	50.40	51.00	51.60	52.20	52.80	53.40	54.00	**60**
61	49.41	50.02	50.63	51.24	51.85	52.46	53.07	53.68	54.29	54.90	**61**
62	50.22	50.84	51.46	52.08	52.70	53.32	53.94	54.56	55.18	55.80	**62**
63	51.03	51.66	52.29	52.92	53.55	54.18	54.81	55.44	56.07	56.70	**63**
64	51.84	52.48	53.12	53.76	54.40	55.04	55.68	56.32	56.96	57.60	**64**
65	52.65	53.30	53.95	54.60	55.25	55.90	56.55	57.20	57.85	58.50	**65**
66	53.46	54.12	54.78	55.44	56.10	56.76	57.42	58.08	58.74	59.40	**66**
67	54.27	54.94	55.61	56.28	56.95	57.62	58.29	58.96	59.63	60.30	**67**
68	55.08	55.76	56.44	57.12	57.80	58.48	59.16	59.84	60.52	61.20	**68**
69	55.89	56.58	57.27	57.96	58.65	59.34	60.03	60.72	61.41	62.10	**69**
70	56.70	57.40	58.10	58.80	59.50	60.20	60.90	61.60	62.30	63.00	**70**
71	57.51	58.22	58.93	59.64	60.35	61.06	61.77	62.48	63.19	63.90	**71**
72	58.32	59.04	59.76	60.48	61.20	61.92	62.64	63.36	64.08	64.80	**72**
73	59.13	59.86	60.59	61.32	62.05	62.78	63.51	64.24	64.97	65.70	**73**
74	59.94	60.68	61.42	62.16	62.90	63.64	64.38	65.12	65.86	66.60	**74**
75	60.75	61.50	62.25	63.00	63.75	64.50	65.25	66.00	66.75	67.50	**75**
76	61.56	62.32	63.08	63.84	64.60	65.36	66.12	66.88	67.64	68.40	**76**
77	62.37	63.14	63.91	64.68	65.45	66.22	66.99	67.76	68.53	69.30	**77**
78	63.18	63.96	64.74	65.52	66.30	67.08	67.86	68.64	69.42	70.20	**78**
79	63.99	64.78	65.57	66.36	67.15	67.94	68.73	69.52	70.31	71.10	**79**
80	64.80	65.60	66.40	67.20	68.00	68.80	69.60	70.40	71.20	72.00	**80**
81	65.61	66.42	67.23	68.04	68.85	69.66	70.47	71.28	72.09	72.90	**81**
82	66.42	67.24	68.06	68.88	69.70	70.52	71.34	72.16	72.98	73.80	**82**
83	67.23	68.06	68.89	69.72	70.55	71.38	72.21	73.04	73.87	74.70	**83**
84	68.04	68.88	69.72	70.56	71.40	72.24	73.08	73.92	74.76	75.60	**84**
85	68.85	69.70	70.55	71.40	72.25	73.10	73.95	74.80	75.65	76.50	**85**
86	69.66	70.52	71.38	72.24	73.10	73.96	74.82	75.68	76.54	77.40	**86**
87	70.47	71.34	72.21	73.08	73.95	74.82	75.69	76.56	77.43	78.30	**87**
88	71.28	72.16	73.04	73.92	74.80	75.68	76.56	77.44	78.32	79.20	**88**
89	72.09	72.98	73.87	74.76	75.65	76.54	77.43	78.32	79.21	80.10	**89**
90	72.90	73.80	74.70	75.60	76.50	77.40	78.30	79.20	80.10	81.00	**90**
91	73.71	74.62	75.53	76.44	77.35	78.26	79.17	80.08	80.99	81.90	**91**
92	74.52	75.44	76.36	77.28	78.20	79.12	80.04	80.96	81.88	82.80	**92**
93	75.33	76.26	77.19	78.12	79.05	79.98	80.91	81.84	82.77	83.70	**93**
94	76.14	77.08	78.02	78.96	79.90	80.84	81.78	82.72	83.66	84.60	**94**
95	76.95	77.90	78.85	79.80	80.75	81.70	82.65	83.60	84.55	85.50	**95**
96	77.76	78.72	79.68	80.64	81.60	82.56	83.52	84.48	85.44	86.40	**96**
97	78.57	79.54	80.51	81.48	82.45	83.42	84.39	85.36	86.33	87.30	**97**
98	79.38	80.36	81.34	82.32	83.30	84.28	85.26	86.24	87.22	88.20	**98**
99	80.19	81.18	82.17	83.16	84.15	85.14	86.13	87.12	88.11	89.10	**99**
100	81.00	82.00	83.00	84.00	85.00	86.00	87.00	88.00	89.00	90.00	**100**

81 to 90

91 to 100

Amount of Flooring.

Prices given in top margin. Numbers at side margin. See explanation pages 279—300.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.00	No.
1	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1
2	1.82	1.84	1.86	1.88	1.90	1.92	1.94	1.96	1.98	2.00	2
3	2.73	2.76	2.79	2.82	2.85	2.88	2.91	2.94	2.97	3.00	3
4	3.64	3.68	3.72	3.70	3.80	3.84	3.88	3.92	3.96	4.00	4
5	4.55	4.60	4.65	4.70	4.75	4.80	4.85	4.90	4.95	5.00	5
6	5.46	5.52	5.58	5.64	5.70	5.76	5.82	5.88	5.94	6.00	6
7	6.37	6.44	6.51	6.58	6.65	6.72	6.79	6.86	6.93	7.00	7
8	7.28	7.36	7.44	7.52	7.60	7.68	7.76	7.84	7.92	8.00	8
9	8.19	8.28	8.37	8.46	8.55	8.64	8.73	8.82	8.91	9.00	9
10	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	10.00	10
11	10.01	10.12	10.23	10.34	10.45	10.56	10.67	10.78	10.89	11.00	11
12	10.92	11.04	11.16	11.28	11.40	11.52	11.64	11.76	11.88	12.00	12
13	11.83	11.96	12.09	12.22	12.35	12.48	12.61	12.74	12.87	13.00	13
14	12.74	12.88	13.02	13.16	13.30	13.44	13.58	13.72	13.86	14.00	14
15	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	15.00	15
16	14.56	14.72	14.88	15.04	15.20	15.36	15.52	15.68	15.84	16.00	16
17	15.47	15.64	15.81	15.98	16.15	16.32	16.49	16.66	16.83	17.00	17
18	16.38	16.56	16.74	16.92	17.10	17.28	17.46	17.64	17.82	18.00	18
19	17.29	17.48	17.67	17.86	18.05	18.24	18.43	18.62	18.81	19.00	19
20	18.20	18.40	18.60	18.80	19.00	19.20	19.40	19.60	19.80	20.00	20
21	19.11	19.32	19.53	19.74	19.95	20.16	20.37	20.58	20.79	21.00	21
22	20.02	20.24	20.46	20.68	20.90	21.12	21.34	21.56	21.78	22.00	22
23	20.93	21.16	21.39	21.62	21.85	22.08	22.31	22.54	22.77	23.00	23
24	21.84	22.08	22.32	22.56	22.80	23.04	23.28	23.52	23.76	24.00	24
25	22.75	23.00	23.25	23.50	23.75	24.00	24.25	24.50	24.75	25.00	25
26	23.66	23.92	24.18	24.44	24.70	24.96	25.22	25.48	25.74	26.00	26
27	24.57	24.84	25.11	25.38	25.65	25.92	26.19	26.46	26.73	27.00	27
28	25.48	25.76	26.04	26.32	26.60	26.88	27.16	27.44	27.72	28.00	28
29	26.39	26.68	26.97	27.26	27.55	27.84	28.13	28.42	28.71	29.00	29
30	27.30	27.60	27.90	28.20	28.50	28.80	29.10	29.40	29.70	30.00	30
31	28.21	28.52	28.83	29.14	29.45	29.76	30.07	30.38	30.69	31.00	31
32	29.12	29.44	29.76	30.08	30.40	30.72	31.04	31.36	31.68	32.00	32
33	30.03	30.36	30.69	31.02	31.35	31.68	32.01	32.34	32.67	33.00	33
34	30.94	31.28	31.62	31.96	32.30	32.64	32.98	33.32	33.66	34.00	34
35	31.85	32.20	32.55	32.90	33.25	33.60	33.95	34.30	34.65	35.00	35
36	32.76	33.12	33.48	33.84	34.20	34.56	34.92	35.28	35.64	36.00	36
37	33.67	34.04	34.41	34.78	35.15	35.52	35.89	36.26	36.63	37.00	37
38	34.58	34.96	35.34	35.72	36.10	36.48	36.86	37.24	37.62	38.00	38
39	35.49	35.88	36.27	36.66	37.05	37.44	37.83	38.22	38.61	39.00	39
40	36.40	36.80	37.20	37.60	38.00	38.40	38.80	39.20	39.60	40.00	40
41	37.31	37.72	38.13	38.54	38.95	39.36	39.77	40.18	40.59	41.00	41
42	38.22	38.64	39.06	39.48	39.90	40.32	40.74	41.16	41.58	42.00	42
43	39.13	39.56	39.99	40.42	40.85	41.28	41.71	42.14	42.57	43.00	43
44	40.04	40.48	40.92	41.36	41.80	42.24	42.68	43.12	43.56	44.00	44
45	40.95	41.40	41.85	42.30	42.75	43.20	43.65	44.10	44.55	45.00	45
46	41.86	42.32	42.78	43.24	43.70	44.16	44.62	45.08	45.54	46.00	46
47	42.77	43.24	43.71	44.18	44.65	45.12	45.59	46.06	46.53	47.00	47
48	43.68	44.16	44.64	45.12	45.60	46.08	46.56	47.04	47.52	48.00	48
49	44.59	45.08	45.57	46.06	46.55	47.04	47.53	48.02	48.51	49.00	49
50	45.50	46.00	46.50	47.00	47.50	48.00	48.50	49.00	49.50	50.00	50

See explanation pages 279—300. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.91	.92	.93	.94	.95	.96	.97	.98	.99	100	No.
51	46.41	46.92	47.43	47.94	48.45	48.96	49.47	49.98	50.49	51.00	51
52	47.32	47.84	48.36	48.88	49.40	49.92	50.44	50.96	51.48	52.00	52
53	48.23	48.76	49.29	49.82	50.35	50.88	51.41	51.94	52.47	53.00	53
54	49.14	49.68	50.22	50.76	51.30	51.84	52.38	52.92	53.46	54.00	54
55	50.05	50.60	51.15	51.70	52.25	52.80	53.35	53.90	54.45	55.00	55
56	50.96	51.52	52.08	52.64	53.20	53.76	54.32	54.88	55.44	56.00	56
57	51.87	52.44	53.01	53.58	54.15	54.72	55.29	55.86	56.43	57.00	57
58	52.78	53.36	53.94	54.52	55.10	55.68	56.26	56.84	57.42	58.00	58
59	53.69	54.28	54.87	55.46	56.05	56.64	57.23	57.82	58.41	59.00	59
60	54.60	55.20	55.80	56.40	57.00	57.60	58.20	58.80	59.40	60.00	60
61	55.51	56.12	56.73	57.34	57.95	58.56	59.17	59.78	60.39	61.00	61
62	56.42	57.04	57.66	58.28	58.90	59.52	60.14	60.76	61.38	62.00	62
63	57.33	57.96	58.59	59.22	59.85	60.48	61.11	61.74	62.37	63.00	63
64	58.24	58.88	59.52	60.16	60.80	61.44	62.08	62.72	63.36	64.00	64
65	59.15	59.80	60.45	61.10	61.75	62.40	63.05	63.70	64.35	65.00	65
66	60.06	60.72	61.38	62.04	62.70	63.36	64.02	64.68	65.34	66.00	66
67	60.97	61.64	62.31	62.98	63.65	64.32	64.99	65.66	66.33	67.00	67
68	61.88	62.56	63.24	63.92	64.60	65.28	65.96	66.64	67.32	68.00	68
69	62.79	63.48	64.17	64.86	65.55	66.24	66.93	67.62	68.31	69.00	69
70	63.70	64.40	65.10	65.80	66.50	67.20	67.90	68.60	69.30	70.00	70
71	64.61	65.32	66.03	66.74	67.45	68.16	68.87	69.58	70.29	71.00	71
72	65.52	66.24	66.96	67.68	68.40	69.12	69.84	70.56	71.28	72.00	72
73	66.43	67.16	67.89	68.62	69.35	70.08	70.81	71.54	72.27	73.00	73
74	67.34	68.08	68.82	69.56	70.30	71.04	71.78	72.52	73.26	74.00	74
75	68.25	69.00	69.75	70.50	71.25	72.00	72.75	73.50	74.25	75.00	75
76	69.16	69.92	70.68	71.44	72.20	72.96	73.72	74.48	75.24	76.00	76
77	70.07	70.84	71.61	72.38	73.15	73.92	74.69	75.46	76.23	77.00	77
78	70.98	71.76	72.54	73.32	74.10	74.88	75.66	76.44	77.22	78.00	78
79	71.89	72.68	73.47	74.26	75.05	75.84	76.63	77.42	78.21	79.00	79
80	72.80	73.60	74.40	75.20	76.00	76.80	77.60	78.40	79.20	80.00	80
81	73.71	74.52	75.33	76.14	76.95	77.76	78.57	79.38	80.19	81.00	81
82	74.62	75.44	76.26	77.08	77.90	78.72	79.54	80.36	81.18	82.00	82
83	75.53	76.36	77.19	78.02	78.85	79.68	80.51	81.34	82.17	83.00	83
84	76.44	77.28	78.12	78.96	79.80	80.64	81.48	82.32	83.16	84.00	84
85	77.35	78.20	79.05	79.90	80.75	81.60	82.45	83.30	84.15	85.00	85
86	78.26	79.12	79.98	80.84	81.70	82.56	83.42	84.28	85.14	86.00	86
87	79.17	80.04	80.91	81.78	82.65	83.52	84.39	85.26	86.13	87.00	87
88	80.08	80.96	81.84	82.72	83.60	84.48	85.36	86.24	87.12	88.00	88
89	80.99	81.88	82.77	83.66	84.55	85.44	86.33	87.22	88.11	89.00	89
90	81.90	82.80	83.70	84.60	85.50	86.40	87.30	88.20	89.10	90.00	90
91	82.81	83.72	84.63	85.54	86.45	87.36	88.27	89.18	90.09	91.00	91
92	83.72	84.64	85.56	86.48	87.40	88.32	89.24	90.16	91.08	92.00	92
93	84.63	85.56	86.49	87.42	88 35	89.28	90.21	91.14	92.07	93.00	93
94	85.54	86.48	87.42	88.36	89.30	90.24	91.18	92.12	93.06	94.00	94
95	86.45	87.40	88.35	89.30	90.25	91.26	92.15	93.10	94.05	95.00	95
96	87.36	88.32	89.28	90.24	91 20	92.16	93.12	94.08	95.04	96.00	96
97	88.27	89.24	90.21	91.18	92.15	93.12	94.09	95.06	96.03	97.00	97
98	89.18	90.16	91.14	92.12	93.10	94.08	95.06	96.04	97.02	98.00	98
99	90.09	91.08	92.07	93.06	94.05	95.04	96.03	97.02	98.01	99 00	99
100	91.00	92.00	93.00	94.00	95.00	96.00	97.00	98.00	99.00	100.00	100

Prices given in top margin. Numbers at side margin. See explanation pages 279--300.

91 to 100

Amount of Flooring.

DO YOU USE BAUGHMAN'S BUYER AND SELLER?

LUMBER AND COST TABLES—MULTIPLICATION, DIVISION

Tables for Finding the Amount of Flooring, Siding, Ceiling, Sheeting (or Lining) Etc., Required for Any Sized Building.

Example: What amount of flooring will it take for a porch floor, 5⅓ feet by 17 feet? for 5⅓ feet see page 18. Seventeen times 5⅓=90⅔ feet. Again, suppose you wish to find the number of feet for floor or ceiling. 11x22 feet, see page 46, table for 1x11-12 feet, 22 times 11=242 feet, Note: To the above amounts must be added the amounts it takes for tongue and groove or matching, see pages 108 and 243; see also tables 204 to 225.

To find the number of feet rough boards, sheeting or lining for any size building. Example: Building 18x24 feet, 14 feet high, two ends 36 feet and sides of building 48 feet, total distance around building 84 feet.

For 14 feet high see pages 282 and 283, and 84 times 14 feet, 1176 feet the amount required. Explanation: First find the total distance around walls, then turn to table of height, if 11 to 20 feet high, pages 282 and 283, if 1 to 10 feet high, pages 280 and 281. You can talk with your customer and at the same time look up and tell them the amount of flooring, boards, ceiling, etc., required. To figure lath it will take 14 to square yard, see also pages 241, 235. For shingles see page 105. Surveying lumber without board rule, see page 201. Table of measurements in small fractional sizes, see pages 204 to 225. Weight of iron, see pages 277, 278. A few things you may need when you build, page 272. Use of ten foot pole or rod, page 270. Length of rafters, pages 238, 239, 241. Many other useful helps in handy things to know and worth remembering. For 1¼ feet, 1½ feet, 1¾ feet, 2 feet and up to 30x30 feet, see pages 125 to 158. For all sizes and lengths, see pages 159 to 200. Note the sizes and lengths printed in red in the side or margin tables, these show many of sizes each table will give answer for. Answer for other sizes can be found pages 125 to 200.

Baughman's Buyer and Seller is right up to date and a date ahead you will find new ideas every time you use it. Let the Buyer and Seller do the figuring for you, it will do it quick and correct and saves brain trouble, mistakes, time, labor and money. Sight computation, quicker than thought, always correct. Figures all ways and always.

See other explanations, etc., page 279.

BUILDING A NAME

THAT is what we have been occupied in doing for twenty-five years throughout the United States and Canada. A man is well occupied when he builds a name for honesty, enterprise and reliability. Something like this goes with **Baughman's Buyer and Seller for Lumbermen, Baughman's Cost Book** and the Lumbermen's Specialties that we handle. Everything as represented.

If there is any special article used in the lumber business that you want, and do not know just where to find it, let us help you. We handle Lumbermen's Specialties and furnish special Rules, Tapes, Gauges, Registering Machines, etc., to order. We do not manufacture, but deal direct with the factories.

A Few of Our Specialties

Board Rules, Log Rules, Marking Sticks, Measuring Tapes, Lumber Gauges, Registering Machines, Lumber Crayons, Printed Inspection Rules (in use in different sections of the United States and Canada), Handy Estimate Blanks, Carpenters' and Builders' Price and Cost Books, Civil Engineers' Hand Books, Building Books, Tally Books, etc., Timber Estimators, Car Door Rollers, Car Movers, Load Binders, etc., write for wants.

ADDRESS

H. R. A. BAUGHMAN, INDIANAPOLIS, IND.

PUBLISHER OF BAUGHMAN'S BUYER AND SELLER.

Dealer in Lumbermen's Specialties.

N. B.—We will print your name and address in gold on either our "Lumber" Book or "Cost" Book for 25 cents. Half, or dozen lots 50 cents.

Amount of Flooring.

PRICE LIST

HICKORY BOARD RULES

The best in Lumber Rules delivered to any place in the United States, at prices quoted. (Prices quoted to Canada points on application.)

THREE-TIER RULES, BURNT FIGURES.

Made of the very best selected second-growth white hickory. Has extra heavy brazed heads (steel caps and brass shoulders) and every rule is inspected and tested before being shipped.

No. 7—3-Tier, 3½-ft. Inspectors' Board Rule, 1⅛ wide.

EACH.	THREE.	SIX.	TWELVE.
$1.50	$4.25	$8.00	$15.00

No. 8—3-Tier, 3-ft. Board Rule, 1¼ wide, extra heavy brazed head.

EACH.	THREE.	SIX.	TWELVE.
$1.45	$4.10	$7.90	$14.00

Same style and quality as No. 7, except in length. It is the rule for regular yard work and most commonly used.

No. 10—3-Tier, 3-ft. Board Rule, brazed head.

EACH.	THREE.	SIX.	TWELVE.
$1.35	$3.90	$7.50	$13.25

Same as No. 8, except brass shoulder is half an inch shorter.

No. 14—3-Tier, 3-ft. Board Rule, Extra Heavy Brazed Head, with Brass Plate.

EACH.	THREE.	SIX.	TWELVE.
$1.50	$4.25	$8.00	$15.00

Same as No. 8, except it has a brass plate with inches.

Above rules are all marked on one side to measure 12, 14 and 16 ft. In ordering, state whether you want opposite side 8, 10 and 18 feet, or 18, 20 and 22 feet.

Diamond Heads furnished on all Rules if Requested.

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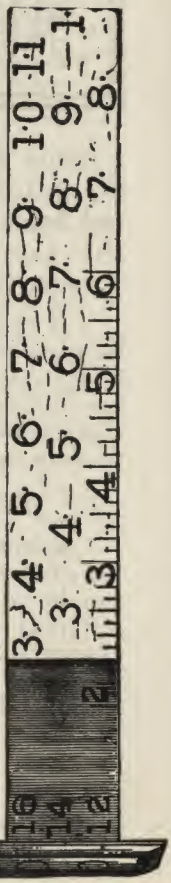
Publisher of Baughman's Buyer and Seller.
Dealer in Lumbermen's Specialties.



N. B.—Full length of rules given above, including six inch handle.

N. B.—We furnish Rules for any measurements required. Combination Board and Log Rules, Spring Steel Board Rules, Left Hand Rules, etc.

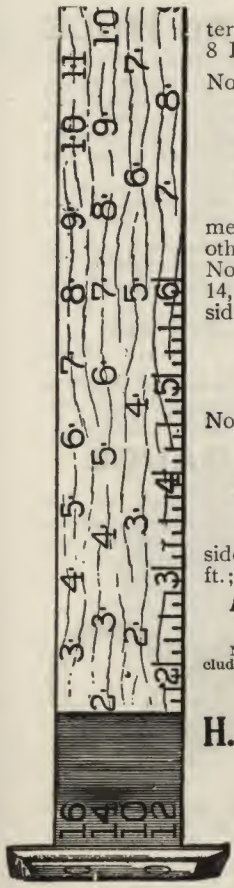
FOUR-TIER RULES, BURNT FIGURES.

No. 17—4-Tier, 3-ft. Board Rule, 1¼ wide, Brazed Head.

EACH.	THREE.	SIX.	TWELVE.
$1.45	$4.10	$7.90	$14.00

No. 18—4-Tier, 3-ft. Board Rule, Brazed Head with Brass Plates.

EACH.	THREE.	SIX.	TWELVE.
$1.55	$4.35	$8.75	$16.00



These Rules correspond in material and workmanship to our No. 8 Rule.

No. 19 — 4-Tier 3-ft. Board Rule, 1¼ wide, Patent Socket, Steel Head.

EACH.	THREE.	SIX.	TWELVE.
$1.35	$3.90	$7.50	$13.25

Above Rules are marked to measure one side 12, 14, 16, 18 ft.; other side 8, 10, 20, 22 ft., except No. 17, which we also mark 12, 10, 14, 16 one side; 9, 11, 13, 15 other side, both right and left hand.

FIVE-TIER RULES, BURNT FIGURES.

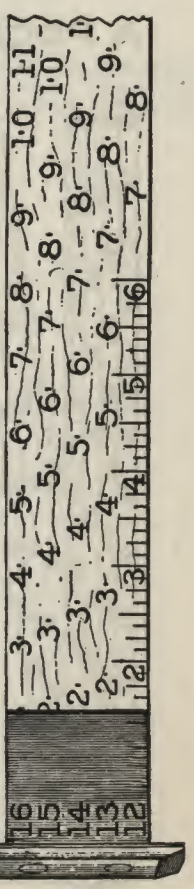
No. 20 — 5-Tier Board Rule, 1½ wide, Brazed Head.

EACH.	THREE.	SIX.	TWELVE
$1.70	$4.80	$9.25	$16.50

No. 20 Rules are marked one side to measure 12, 13, 14, 15, 16 ft.; other side 7, 8, 9, 10, 11 ft.

Diamond Heads furnished on all Rules if Requested.

N. B.—Full length of Rules given above, including six inch handle.



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INDIANAPOLIS, IND.

Publisher of Baughman's Buyer and Seller.

Dealer in Lumbermen's Specialties.

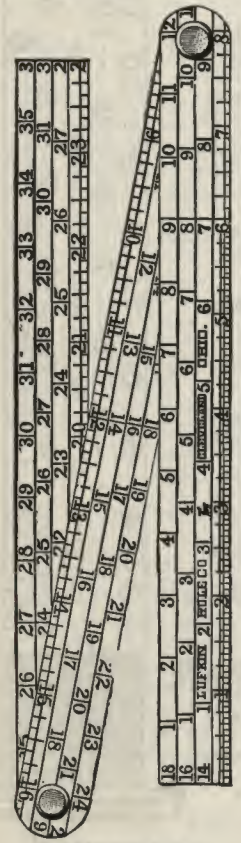
N. B.—We furnish Rules for any measurements required. Combination Board and Log Rules, Spring Steel Board Rules, Left Hand Rules, etc.

Baughman's Band and Rotary Log Rules, (from 8 to 32 ft. in length, from 6 to 72 inches in Diameter), prepaid, $1.75 each.

N. B.—Log Rules of any other scale desired, write for wants.

IS THIS WHAT YOU HAVE BEEN LOOKING FOR?

A POCKET STEEL BOARD RULE



(One-half actual size.)

Carry your Board Rule in your pocket. Save time and guess work. Every yard man needs it. Made of hardened steel, two feet long, and folds to eight inches; is light and durable and can be conveniently carried in the hip pocket.

No. 77, measures, one side, 12-14-16-18; other side, 8-10-20-22 feet.

No. 78, measures, one side, 12-14-16-18; other side, inches and 8ths.

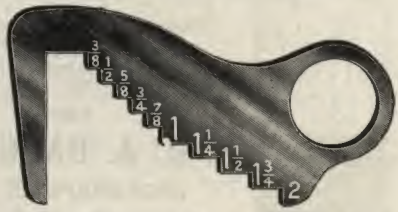
No. 77, Price with leather case, each $1.25

No. 78, Price with leather case, each $1.25

We prepay all postage and express charges and ship promptly.

LUMBER GAUGE

A neat little device, worn on the finger, for determining the thickness of lumber. Can be carried in the vest pocket. Nicely aluminum finished.



No. 00—Measures ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾, 2 in.
50 cents each. $4.50 per dozen.

No. 000—Measures ⅝, ¾, 1, 1¼, 1½, 2 2½ in.
60 cents each. $5.50 per dozen.

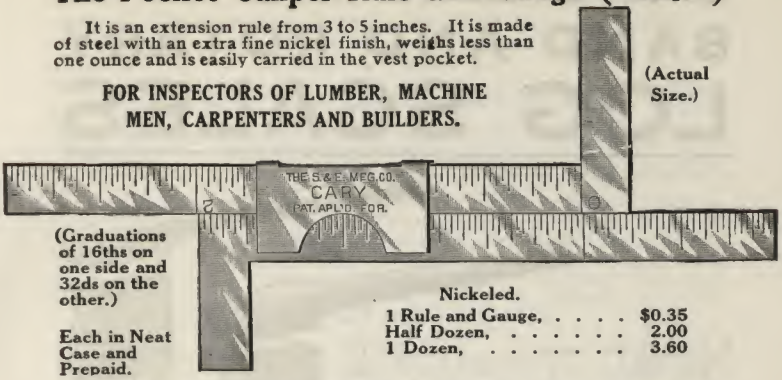
Wood-moulders, Gauges, Veneer Gauges, etc., furnished to order. *Write for Wants. Address*

H. R. A. BAUGHMAN, Indianapolis, Ind.
Publisher of Baughman's Buyer and Seller
Dealer in Lumbermen's Specialties.

The Pocket Caliper Rule and Gauge (As a Depth Gauge)

It is an extension rule from 3 to 5 inches. It is made of steel with an extra fine nickel finish, weighs less than one ounce and is easily carried in the vest pocket.

FOR INSPECTORS OF LUMBER, MACHINE MEN, CARPENTERS AND BUILDERS.



(Actual Size.)

(Graduations of 16ths on one side and 32ds on the other.)

Each in Neat Case and Prepaid.

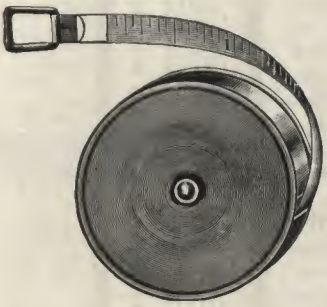
Nickeled.

1 Rule and Gauge, ...	$0.35
Half Dozen, ...	2.00
1 Dozen, ...	3.60

POCKET STEEL TAPES

German Silver Cases, Spring Wind, with Center Stop.

MARKED ONE SIDE ONLY.



No. 1. 36 inches, ¼ inch Tape, marked inches and 16ths, each Prepaid, 65c.

No. 2. 60 inches, ¼ inch Tape, marked inches and 16ths, each Prepaid, 85c.

No. 3. 72 inches, ¼ inch Tape, marked inches and 16ths, each Prepaid, $1.00.

No. 4. 96 inches, ¼ inch Tape, marked inches and 16ths, each Prepaid, $1.25.

No. 5. 8 feet, ¼-inch Tape, marked feet, inches and 16ths, each Prepaid, $1.25.

No. 6. 10 feet, 5/16 inch Tape, marked feet, inches and 16ths each Prepaid, $1.50.

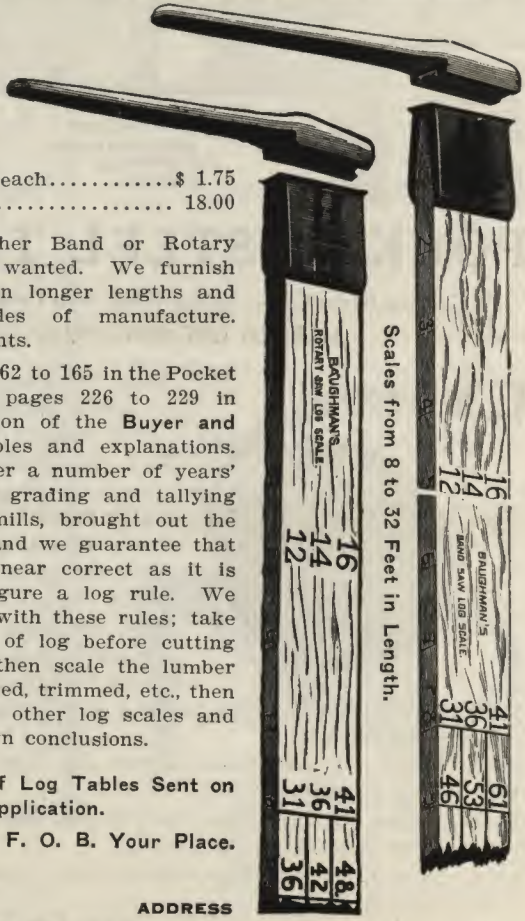
No. 7. 12 feet, 5/16 inch Tape, marked feet, inches and 16ths, each Prepaid, $1.75.

No. 8. 18 feet, 5/16 inch Tape, marked feet, inches and 16ths, each Prepaid, $2.75.

Address H. R. A. BAUGHMAN, INDIANAPOLIS, IND.

Publisher of Baughman's Buyer and Seller.
Dealer in Lumbermen's Specialties.

BAUGHMAN'S BAND AND ROTARY LOG SCALES



Scales from 8 to 32 Feet in Length.

6 foot Rules, each.....$ 1.75
Per doz..... 18.00

State whether Band or Rotary Log Rule is wanted. We furnish these Rules in longer lengths and different styles of manufacture. Write for wants.

See pages 162 to 165 in the Pocket Edition, and pages 226 to 229 in Twelfth Edition of the **Buyer and Seller** for tables and explanations. We have, after a number of years' experience of grading and tallying in different mills, brought out the above rules, and we guarantee that they are as near correct as it is possible to figure a log rule. We invite a test with these rules; take the diameter of log before cutting into lumber, then scale the lumber after it is sawed, trimmed, etc., then compare with other log scales and draw your own conclusions.

Comparison of Log Tables Sent on Application.

Price Quoted F. O. B. Your Place.

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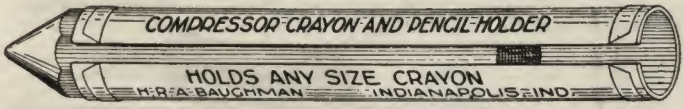
PUBLISHER OF BAUGHMAN'S BUYER AND SELLER.

Dealer in Lumbermen's Specialties.

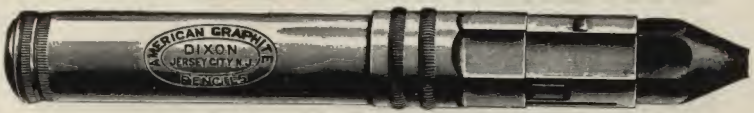
THE BEST THINGS IN CRAYON HOLDERS

Save your Crayons. Save Time. Same Money. Lumber Crayons used in our Crayon Holders will not break and can be used to the last inch.



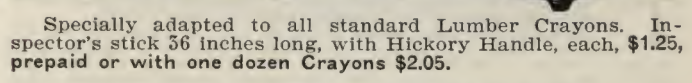
The Compressor Crayon and Pencil Holder holds all sizes of Lumber Crayons and any length; (and is the only one that will do this,) it is the handiest and most useful device ever gotten out for the purpose. Nicely Nickeled, weighs less than one ounce, no screws. Price each with one of the best Crayons, Red, Black or Blue, your choice; **35 cents prepaid, three for $1.00, or 1 dozen Crayons and one Holder $1.25.**

THE DIXON NICKLED HOLDERS *for* LUMBER PENCILS AND CRAYONS.



Will hold the Dixon and other standard makes. Price each with Red, Black or Blue Lumber Crayons, **35 cents, prepaid, three for $1.00, or 1 dozen Crayons and one Holder $1.25.**

INSPECTOR'S MARKING STICK.



Specially adapted to all standard Lumber Crayons. Inspector's stick 36 inches long, with Hickory Handle, each, **$1.25, prepaid or with one dozen Crayons $2.05.**

IF IT'S A LUMBER CRAYON, WE HAVE IT.

In all the standard makes, Red, Blue or Green, **$1.00 per Dozen. Purple, Red or White Indellible Lumber Crayons** for green, wet and frozen logs or lumber, **$1.10 per Dozen.** Black Lumber Crayons, **75c per dozen prepaid.**

A Cheaper Grade of Lumber and Marking Crayons made in oil. Are soft and can be used for marking Lumber, Boxes and Packages, should be used in one of our Crayon Holders as they break easily. Each with one of our Nickeled Holders 25 cents. Five Holders with five Crayons $1.00. One dozen Crayons and one Holder, 65 cents prepaid. Choice of Colors Red, Black, Blue or Green.

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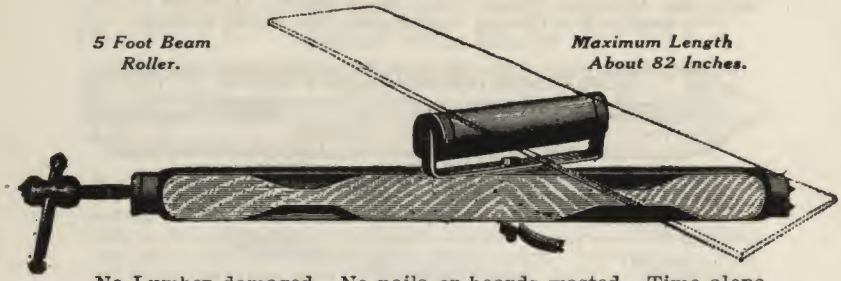
Dealer in Lumbermen's Specialties.

ADJUSTABLE CAR DOOR ROLLER

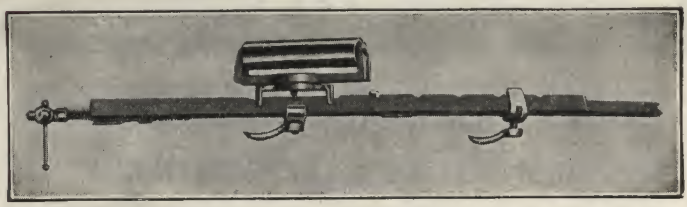


No Lumber damaged. No nails or boards wasted. Time alone saved in unloading three cars will more than cover its cost.

Price. $5.00 Each. F. O. B. Factory.

Steel Extension Car Door Roller

Patented in United States and Canada.



Fits Any Width of Car Door from 4 ft. 8 in. to 7 ft.

THE only Lumber Loading Car Door Roller made that can be adjusted to fit the varied widths of side doors in cars.

There is no lost time looking for blocks to fill in behind the bar, for wide car doors, as is necessary with the old style non-extension single bar roller. The bar of this Extension Roller is made of two pieces of 2-inch angle steel that can be securely locked. The roller is steel tubing, fitted with metal heads. All cast parts are malleable iron. Strong, durable and quickly adjusted.

Price, $7.50 Each, f. o. b. Factory.

Double Extension Lumber Roller

A new Double Extension Lumber Roller can be instantly attached to not only any size door from 5 to 8 feet wide but also the ends of a gondola.

Price, $7.50 Each, f. o. b. Factory.

CURIOSITY may induce you to buy one of the new

DOUBLE EXTENSION LUMBER ROLLERS

but the saving in time, money and trouble they mean will lead you to take pleasure in keeping our catalogue in active use.

Address H. R. A. BAUGHMAN, INDIANAPOLIS, IND.

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Dealer in Lumbermen's Specialties.

A TRIAL ORDER IS ALL WE ASK

YOUR PATRONAGE WILL BE SURE TO FOLLOW

DOUBLE CLUTCH CAR MOVERS

Price, $5.00 each.

F. O. B. Factory.

See the double leverage. It turns the wheel— NEVER LIFTS IT.

THE IMPROVED "ATLAS" CAR MOVER

It is equipped with double spurs of square steel set at an angle with the top of the rail, which they engage on the outside edge where it is soft and not hardened by the constant pounding of the wheel, and having a double hold on the rail, they will not slip until they become worn and dull by long use. Then, by simply loosening a nut and bolt, they can easily be taken out and turned to use a new edge or replaced entirely by a new spur. They do not have to be fastened in with a wedge or nail, which is so hard to remove, or a bolt and plate which is so apt to be broken.

Price, $5.00, f. o. b. factory.
They are Money Savers.
You Cannot Afford to be Without One.

OUR DOUBLE GRIP CAR MOVER

Price, $4.50, f. o. b. Factory.
Does the Work Without a Slip. Why the BADGER Mover Does Not Slip.
The spurs can be turned three times, thus always having a sharp edge to grip the track.

THE EASY CAR PUSHER

THE PUSHER THAT PUSHES.

1st. It will work on any track and under any brake.
2nd. It is very durable, and the parts that wear can be replaced for a trifle.
3rd. It is strong, durable and convenient, and can be used by any person.

Price, $5.00, f. o. b. Factory.

Satisfaction Guaranteed. Any one of our Car Movers sent on 10 days' trial, if requested.

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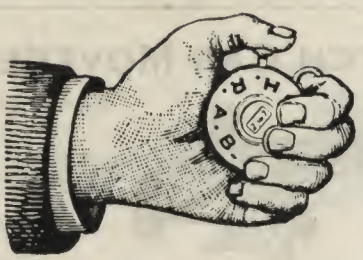
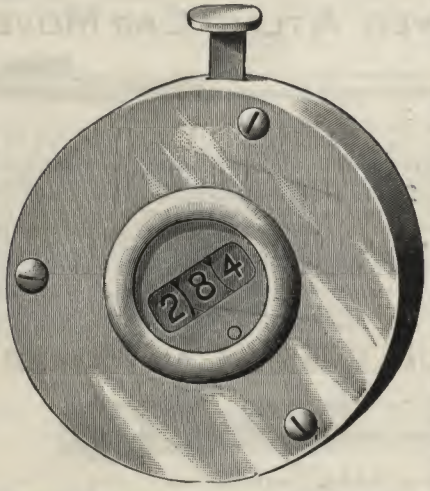
AUTOMATIC COUNTER



The cut shows the position in which the Tallying Register is held in use.

There is but one logical kind for you to get — the kind that has, by actual use, been proved both accurate and durable, that has shown itself to be adaptable to every purpose and reliable under every strain.



Actual size of Register

We have two kinds of AUTOMATIC COUNTERS. No. 0 tallies from 1 to 1,000, and No. 1 from 1 to 10,000.

They are very simple in construction, can be carried in the pocket, are the size of an ordinary watch, and weigh about four ounces. They can be set to zero any time a new count is desired. They are used by lumbermen, loggers, and timber estimators, railroad, telegraph and steamboat men for checking or tallying ties, telegraph poles and passengers, and all kinds of freight; by cattle men for counting cattle and sheep; by detectives and spotters for keeping base ball score, and at places of amusement for counting the people going in and out, hotel dining rooms for keeping count of guests at meal, etc. In fact, they can be used for any purpose where a correct count is desired to be kept.

Price of Hand Tally No. 0, $2.50 each, Postage paid.
Price of Hand Tally No. 1, $3.50 each, Postage paid.

The above Counters are made very strong and will stand rough usage.

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H. R. A. BAUGHMAN, INDIANAPOLIS, IND.

Publisher of Baughman's Buyer and Seller.
Dealer in Lumbermen's Specialties.

Empire Automatic Counter.

The Lowest in Cost. The Most Convenient in Size.

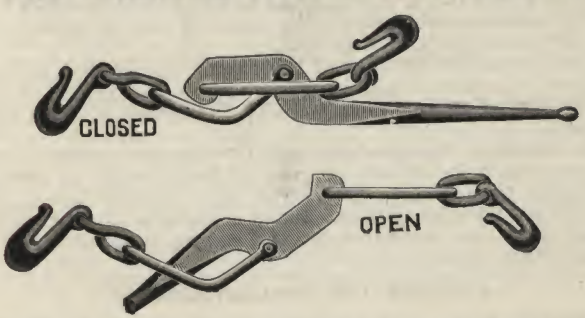
Counts from 1 to 9999.

$1.50, Postage Prepaid.

The Empire Counter is very handy for carrying in vest pocket, etc., as case is same shape as the ordinary watch

We can supply Automatic Counters for Any Purpose. Write for Wants.

The Oshkosh Patent Load Binder.



Weighs only 8 lbs., but will take up a slack of 5 inches and *hold it. It is an investment—not an expense.* This little device means a BIG saving of *TIME, MONEY AND TROUBLE.*

It will bind a load of lumber, logs, hay, pipe or other large loads *securely* in three seconds and unbind in one. It never jams or loosens.

This takes the place of the old style of boom poles and does away with broken limbs and other injuries. All that is necessary is to throw the chain over the load, hook the binder to each end and pull the lever, when the load is bound secure. This binder is hand forged and weighs only 8 lbs.

$2.25 each, $4.00 per pair, f. o. b. factory.

Address H. R. A. BAUGHMAN, INDIANAPOLIS, IND.

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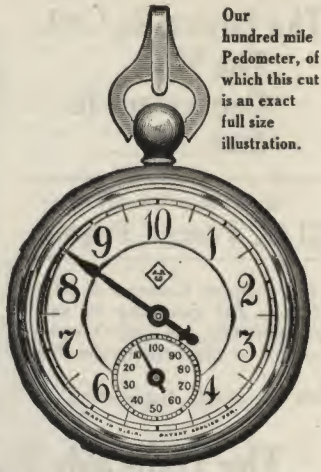
HOW FAR HAVE YOU WALKED?

Our Hundred Mile Pedometer Will Tell You



Our hundred mile Pedometer, of which this cut is an exact full size illustration.

The cut is the exact size of our 100 mile pedometer. The case is nickel finished and highly polished and in general appearance resembles a gentleman's small sized watch. The dial is very similar to that of a watch, the figures 1, 2, 3, 4, 5, etc., represent miles, the space between each number being divided into ¼, ½ or ¾ of a mile.

The movement, too, is like a watch, the pendulum within swings to the rythm of the stride, ticking off the steps as a watch ticks off the seconds, and the hand points out the miles walked. The hand can be set backward or forward as desired by simply removing back of case, and turning set screw.

It is carried like a watch in the pocket or attached to a belt, and it carefully and methodically ticks off and registers every mile or fraction of a mile walked.

Apart from the pleasure of registering the number of miles tramped in a given walk, it is also deeply interesting to note the number of odd miles covered in the course of one's daily business.

To regulate the hundred mile pedometer measure the distance you take in one of your ordinary steps or strides; measuring from heel to heel. The scale contains every inch from 15 to 41 inches. Having found the length of your step in inches move the regulator to the corresponding number of inches on the scale.

ACQUIRE THE WALKING HABIT.

Learn to walk—walk often—and walk far. No one should let a day go by without walking at least two or three miles, five to fifteen would be better.

A good walk will add zest to your life and walking regularly will promote it many years.

Walk more and you will find the habit will grow upon you and that you will be able to walk longer and longer distances without fatigue.

Sent Postpaid Upon Receipt of $1.50.
Each One is Fully Guaranteed.

ADDRESS H. R. A. BAUGHMAN, INDIANAPOLIS, IND.

Publisher of Baughman's Buyer and Seller.
Dealer in Lumbermen's Specialties.

THE
Reversible Tally Book

WORTH ITS WEIGHT IN GOLD

To Inspectors, Tallymen, etc. For Keeping Tally of the Number of Feet, Grades, Lengths and Sizes of Lumber, or the Number, Weights, or of Any Article

A TALLY BOOK THAT TALLIES

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IT DOES ALL THIS: Tallies from 1 to 100 pieces and from 1 to 100 in contents, or you can use for any number desired. It will show the size, length, grade and contents of each piece tallied. The total number of feet tallied, total number of feet of each size, length and grade tallied. Car number, initial, weight, etc., capacity, who for, destination, tallied in or out of car, wagon number, driver's name, tallied in or out of the yard, lot number, plat or addition delivered to, inspector's name, date loaded, etc. Gives a complete record of every piece loaded or returned, grades, etc., where delivered or returned from. The Reversible Tally Sheets have 100 ruled lines, 50 each side, also numbered from 1 to 40, so that tally may be kept in contents in place of size and length if desired. This makes it handy to tally all widths where contents only are desired. You can use two or more of the tally sheets at one time, keeping a record of different transactions, etc.

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